

ANNUAL REPORT  
*OF THE*  
BOARD OF FIRE COMMISSIONERS,  
  
CHIEF ENGINEER  
*AND*  
FIRE ALARM SUPERINTENDENT  
*OF THE*  
SAN FRANCISCO FIRE DEPARTMENT,  
*FOR THE*  
FISCAL YEAR ENDING JUNE 30TH, 1882.



SAN FRANCISCO:  
GEO. SPAULDING & Co., GENERAL BOOK AND JOB PRINTERS,  
1882.



SAN FRANCISCO  
HISTORY CENTER



352.3  
Sa523a  
1882

*San Francisco Public Library*

STACKS

REFERENCE BOOK

*Not to be taken from the Library*


3 1223 03475 2619







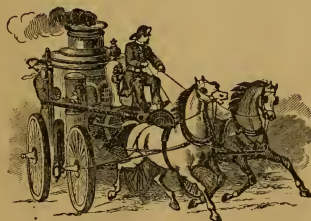




Digitized by the Internet Archive  
in 2012 with funding from  
California State Library Califa/LSTA Grant



ANNUAL REPORT  
*OF THE*  
BOARD OF FIRE COMMISSIONERS,  
  
CHIEF ENGINEER  
*AND*  
FIRE ALARM SUPERINTENDENT  
  
*OF THE*  
SAN FRANCISCO FIRE DEPARTMENT,  
  
*FOR THE*  
FISCAL YEAR ENDING JUNE 30TH, 1882.



SAN FRANCISCO:  
GEO. SPAULDING & CO., GENERAL BOOK AND JOB PRINTERS,  
1882.



# REPORT

OF THE

## BOARD OF FIRE COMMISSIONERS.

---

FIRE COMMISSIONERS' OFFICE, }  
San Francisco, July 1, 1882. }

*To the Honorable the Board of Supervisors  
of the City and County of San Francisco:*

GENTLEMEN—In conformity with Resolution No. 15,758 (New Series), the Board of Fire Commissioners have the honor to submit their sixteenth annual report of the condition and workings of the department under their charge for the fiscal year ending June 30, 1882.

Since our last report, there has been two changes in the Board, caused by the retirement of Gordon E. Sloss and Gus Reis, whose terms of office expired. F. C. Siebe and John Mason were appointed by your predecessors as their successors in the Board of Fire Commissioners.

By reference to the statements accompanying this report, the total valuation of the property held in trust by this Commission amounts to \$456,350.

We respectfully call the attention of your Honorable Board to the report of the Chief Engineer of the department, and urge the adoption of the recommendations contained therein; also, the statements of the condition and workings of the department under his charge.

Respectfully submitted.

EDWARD B. COTTER,  
EDWARD FLAHERTY,  
FRANK G. EDWARDS,  
FREDERICK C. SIEBE,  
JOHN MASON.

## BOARD OF FIRE COMMISSIONERS.

---

Headquarters ..... Old City Hall, Kearny street

---

**EDWARD B. COTTER,**

PRESIDENT.

Term expires.....December, 1883

**EDWARD FLAHERTY,**

Term expires.....December, 1883

**FRANK G. EDWARDS,**

Term expires.....December, 1883

**FREDERICK C. SIEBE,**

Term expires.....December, 1886

**JOHN MASON,**

Term expires.....December, 1886

**E. B. VREELAND,**

CLERK OF THE BOARD OF FIRE COMMISSIONERS.

Office.....Old City Hall, Kearny street

**GEORGE W. L. POST,**

MESSENGER.

---

## STANDING COMMITTEES OF THE BOARD.

ON FINANCE:

MESSRS. SIEBE, MASON, FLAHERTY.

ON DISCIPLINE AND APPOINTMENTS:

MESSRS. FLAHERTY, EDWARDS, SIEBE.

ON BUILDINGS:

MESSRS. MASON, EDWARDS, SIEBE.

ON HOSE AND APPARATUS:

MESSRS. EDWARDS, FLAHERTY, MASON.

FIRE DEPARTMENT COMMITTEE OF THE BOARD OF SUPERVISORS:

G. B. BRADFORD,

N. C. PARRISH,

OLIVER MERRILL.

## ENGINEERS.

## DAVID SCANNELL,

CHIEF ENGINEER.

Headquarters ..... Old City Hall, Kearny street

## MATHEW BRADY,

ASSISTANT CHIEF ENGINEER.

Headquarters ..... Old City Hall, Kearny street

DISTRICT ENGINEERS:

## JAMES RILEY,

DISTRICT No. 1.

Headquarters..... Engine House No. 2, Bush street near Kearny

## JOHN E. ROSS,

DISTRICT No. 2.

Headquarters.. Engine House No. 4, Second street, bet. Howard and Mission

## A. C. IMBRIE,

DISTRICT No. 3.

Headquarters.. Engine House No. 3, California st., bet. Leavenworth &amp; Hyde

## GEORGE W. KENNARD,

DISTRICT No. 4.

Headquarters ..... Engine House No. 7, Sixteenth street above Valencia

## EXPENDITURES.

The expenditures of the Department for the fiscal year ending June 30th, 1882, as shown by the books of the Commissioners, have been as follows:

For running expenses.....	\$44,305 42
For material purchased .....	22,973 04
For machinery for repair shop.....	2,566 90

Total expenditures .....	\$69,845 36
For salaries of officers and employés.....	199,260 00

Total cost of Department for year.....	<u>\$269,105 36</u>
--	---------------------

## MATERIAL PURCHASED.

10,000 feet 2½-inch carbolized Hose .....	\$12,500 00
1,000 feet 3-inch carbolized Hose .....	1,380 00
One Steam Fire Engine .....	5,235 00
Machinery for repair shop.....	2,566 90
Eight Horses.....	2,400 00
Suction Hose.....	158 84
Rubber goods .....	499 20
Patent Hames.....	800 00

Total .....	<u>\$25,539 94</u>
-------------	--------------------



## EXPENDITURES.

7

## EXPENDITURES OF FIRE DEPARTMENT—CONCLUDED.

	HOSE COMPANIES.									TRUCK COMPANIES.				TOTALS.
	1	2	3	4	5	6	7	8	9	1	2	3	4	
Repairs to apparatus.....	\$33 10	\$32 75	\$60 75	\$110 25	\$48 00	\$59 50	\$59 00	\$88 09	\$7 80	\$89 00	\$24 00	\$260 57	\$233 50	\$10,518 19
Repairs to houses & fixtures	24 62	175 30	53 70	78 49	19 10	102 34	23 05	89 00	73 63	231 67	91 96	464 60	578 03	6,739 02
Harness and repairs.....	42 75	57 75	33 50	45 50	32 00	84 25	46 00	50 75	.....	67 00	21 50	47 75	62 50	2,543 86
Oats.....	53 49	114 16	99 15	37 26	59 74	176 17	108 73	101 12	.....	112 26	103 10	112 62	108 46	3,769 28
Bran.....	12 72	17 32	16 97	14 08	8 67	20 14	15 94	16 45	.....	15 30	12 61	13 82	11 14	589 80
Carrots.....	13 76	13 66	15 00	11 26	8 85	16 96	16 09	13 60	.....	15 39	16 50	17 67	15 76	474 80
Hay.....	31 15	60 76	52 61	35 47	29 11	86 72	61 96	59 86	.....	62 29	65 63	59 27	63 22	2,280 40
Straw.....	13 20	20 35	18 79	12 10	9 90	24 20	21 45	19 80	.....	19 80	19 80	20 90	21 45	674 82
Horse shoeing.....	35 00	61 00	69 50	31 00	30 75	60 00	82 00	62 00	.....	60 00	62 00	58 00	58 00	2,541 25
Coal.....	.....	41 52	.....	50 50	10 38	46 63	18 13	67 40	19 38	20 75	38 88	20 76	32 38	2,801 15
Wood.....	.....	.....	11 89	11 90	.....	5 95	11 89	17 84	.....	.....	5 95	.....	5 95	465 65
Small stores, oil, etc.....	106 28	84 67	131 72	91 51	88 93	119 52	86 63	100 38	54 20	144 96	165 77	167 23	129 54	4,683 99
Medicines for horses.....	7 00	7 00	1 50	3 00	.....	5 00	2 00	9 50	.....	3 00	1 00	2 00	.....	360 00
Telephone.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	293 75
Chemicals.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20 00
Total expenses.....	\$433 07	\$686 24	\$565 08	\$532 32	\$345 43	\$807 38	\$562 87	\$895 79	\$155 01	\$930 42	\$628 70	\$1245 19	\$1,319 93	\$38,905 96
Salaries totals.....	\$3760 00	\$5160 00	\$5160 00	\$5160 00	\$5160 00	\$5160 00	\$5160 00	\$5160 00	\$5160 00	\$7,800 00	\$7,800 00	\$7,800 00	\$7,800 00	\$19,920 00

## RECAPITULATION OF EXPENDITURES.

Repairs to apparatus.....	\$10,518 19
Repairs to houses and fixtures.....	6,799 02
Forage.....	7,789 10
Horse-shoeing.....	2,541 25
Harness and repairs.....	2,543 86
Patent hames for harness.....	800 00
Coal .....	2,891 15
Wood.....	456 65
Stores—oils, brushes, sponges, etc.....	4,683 99
Hydrants—setting and resetting; \$2,225; Hydrants and bends, \$1,730.60.....	3,955 60
Machinery for repair shop.....	2,594 40
1 new steam fire engine.....	5,235 00
Hose.....	13,880 00
Horses.....	2,400 00
Medicines for horses.....	360 00
Printing and stationery.....	192 55
Telephone expenses.....	293 75
Rent of office for Commissioners.....	810 00
Board and horse-hire .....	890 75
Pasturage of horses.....	24 10
Damages to building.....	186 06
	<hr/>
	\$69,845 36



APPARATUS OF DEPARTMENT AND VALUE.

Steamer No. 1 and tender.....	\$4,650
Steamer No. 2 and tender.....	4,650
Steamer No. 3 and tender.....	4,300
Steamer No. 4 and tender.....	4,650
Steamer No. 5 and tender.....	4,400
Steamer No. 6 and tender.....	4,650
Steamer No. 7 and tender.....	4,650
Steamer No. 8 and tender.....	4,300
Steamer No. 9 and tender.....	4,650
Steamer No. 10 and tender.....	4,650
Steamer No. 11 and tender.....	4,650
Steamer No. 12 and tender.....	6,000
Hose Cart No. 1.....	350
Hose Cart No. 2.....	750
Hose Cart No. 3.....	800
Hose Cart No. 4.....	350
Hose Cart No. 5.....	350
Hose Cart No. 6.....	800
Hose Cart No. 7.....	800
Hose Cart No. 8.....	800
Truck No. 1.....	3,250
Truck No. 2.....	3,250
Truck No. 3.....	3,000
Truck No. 4.....	3,000
Six reserve steamers.....	28,550
Five reserve hose carts.....	1,750
Two reserve trucks.....	6,000
One supply wagon.....	450
One buggy, Chief Engineer.....	250
One buggy, Assistant Engineer.....	250
One buggy, relief.....	200
	<hr/> \$111,150

HORSES AND HARNESS—

71 horses, value.....	\$21,300
25 sets double harness.....	2,000
20 sets single harness.....	800
	<hr/> 24,100

HOSE AND COUPLINGS, ETC.—

16,800 feet hose, at \$1.25.....	22,250
----------------------------------	--------

REPAIR SHOP, CORPORATION YARD—

Machinery.....	\$3,500
Tools.....	500
Material for apparatus.....	1,500
	<hr/> 5,500

## SUPPLY DEPARTMENT—

Oils, sponges, brooms, brushes, chamois skins, etc., as per inventory.....	5,500
--	-------

## FURNITURE AND TOOLS IN HOUSES—

Furniture.....	\$1,500	
Tools.....	750	2,250
		<hr/>
Total.....		\$130,750
Real estate and material.....		325,600
		<hr/>
Total.....		<u>\$456,350</u>

## STATEMENT OF THE VALUE OF PROPERTY

In use by the Fire Department and held by the Commissioners, June 30, 1882.

	REAL ESTATE.	IMPROVEMENTS.
House and lot of Steamer Company No. 1.....	\$ 3,000	\$4,500
House and lot of Steamer Company No. 2.....	15,000	5,000
House and lot of Steamer Company No. 3.....	6,000	8,800
House and lot of Steamer Company No. 4.....	6,500	7,000
House and lot of Steamer Company No. 5.....	3,000	3,500
House and lot of Steamer Company No. 6.....	6,000	6,500
House and lot of Steamer Company No. 7.....	5,000	5,000
House and lot of Steamer Company No. 8.....	3,000	5,000
House and lot of Steamer Company No. 9.....	5,000	4,500
House and lot of Steamer Company No. 10.....	.....	.....
House and lot of Steamer Company No. 11.....	700	1,500
House and lot of Steamer Company No. 12.....	6,000	11,000
House and lot of Hose Company No. 1.....	4,000	3,000
House and lot of Hose Company No. 2.....	4,000	3,000
House and lot of Hose Company No. 3.....	3,000	3,000
House and lot of Hose Company No. 4.....	2,000	4,000
House and lot of Hose Company No. 5.....	15,000	3,000
House and lot of Hose Company No. 6.....	3,600	4,000
House and lot of Hose Company No. 7.....	.....	4,000
House and lot of Hose Company No. 8.....	3,000	4,800
House and lot of Hose Company No. 9.....	.....	1,000
House and lot of Truck Company No. 1.....	8,000	7,000
House and lot of Truck Company No. 2.....	5,000	4,000
House and lot of Truck Company No. 3.....	.....	.....
House and lot of Truck Company No. 4.....	2,000	1,800
House and lot of Corporation Yard.....	10,000	30,000
52 lots not in use by the Department (estimated value)	76,900	.....
	<hr/>	<hr/>
	\$195,700	\$129,900
		195,700
		<hr/>
Total.....		\$325,600

# REPORT

OF THE

## CHIEF ENGINEER

OF THE

### San Francisco Fire Department.

---

*To the Honorable the Board of Fire Commissioners  
of the City and County of San Francisco:*

GENTLEMEN—I have the honor to submit to you my annual report of the workings of the San Francisco Fire Department for the fiscal year ending June 30, 1882.

This department has responded to 301 hall-bell alarms and 105 “still alarms,” making 406 actual fires, causing a loss of \$701,626.35.

#### PROPORTION OF BUILDINGS BURNED.

Totally destroyed.....	70
Considerably damaged (loss above \$500) .....	91
Slightly damaged (loss below \$300).....	322
Fires confined to one building.....	239
Fire and no damage to building.....	40

There were three fires during the year at each of which the loss exceeded \$50,000, viz:

1881—September 25, Overland Warehouse.....	\$ 61,908 83
“ October 13, California Mill .....	119,423 68
1882—June 10, Silk Factory.....	65,653 61
Aggregating a loss of .....	<u>\$246,986 12</u>

Or very nearly 34 per cent. of the entire loss for the year.

The first occurred on September 25, 1881, alarm from Box 186, being for a fire discovered at the Overland Warehouse, located on the east side of Third

street and extending from King to Townsend ; one story brick building containing valuable goods on storage.

The second and most disastrous fire during the year was that at the California Lumber Mill located corner of Howard and Spear streets. Alarm from Box 39. A general alarm was sent in and responded to by the whole department. The fire burned with such rapidity that three workmen, engaged in the upper part of the building were unable to escape and were burned to death.

The cause of the fire, as ascertained by Fire Marshal Durkee after a careful investigation, was carelessness of children with matches in an unoccupied building adjoining the mill. The combustible nature of the building, contents, and surroundings (lumber), caused the fire to spread with such fierceness that the whole force of the department was required to extinguish it.

The third was a silk factory and four dwellings situated on the corner 11th avenue and P street—alarm from Box 281. Building of wood, two stories. There being no water available in the vicinity, the efforts of the department were powerless.

#### APPARATUS.

The apparatus of the department is kept in the best possible condition for service, and comprises twelve steam fire engines and hose tenders in service with companies. Six engines (relief)—four, four-wheeled hose reels, and four two-wheeled reels in company service—five two-wheeled reels (relief). Four hook and ladder trucks in company service, and two relief. Also, through the courtesy of the Honorable Board of Harbor Commissioners, the steam tug "Governor Irwin, to be used as a fire boat when occasion requires.

#### HOSE.

The department will require an additional supply of hose before the expiration of the present year. We have on hand extra hose, 2,100 feet, at the corporation yard, in addition to what is on the reels of the different companies, a large conflagration would seriously cripple the department. I would, therefore, recommend the purchase of hose sufficient for any emergency.

#### HOUSES.

I call the attention of your Honorable Board to the fact that a number of valuable lots which were set apart for fire department purposes are now occupied by squatters who pay no rent or taxes to the city.

They have taken forcible possession, built houses, and are now occupying them without leave or authority. They should be evicted, as the time is not remote when the department will require them for building purposes.

The necessity for a new location and building for Engine Company No. 11, located at South San Francisco, has been called to your notice in my

previous reports. The location now occupied by that company is in a low and swampy place, the building old and very much out of repair. I am constantly the recipient of complaints by the members, of its dangerous and unhealthy condition. An exchange of the property can be made, I am informed, and would respectfully urge upon your Honorable Body that a change be made at your earliest convenience.

I recommend the formation and location of an additional engine company in the vicinity of Valencia and Twenty-sixth streets—"Commorfordville." The property owners and residents have made very urgent requests, and petitions have been presented for the location of a fire company in that part of the city. Property owners in a measure are almost unprotected, and a fire occurring would likely be serious before an engine could arrive. Water facilities are good, and a company located as suggested would be ample protection against fire in that rapidly growing portion of the city.

## HYDRANTS.

The Department, in the discharge of their duty of extinguishing fires, has been materially aided by the prompt response of the Spring Valley Water Company made to it for setting and resetting hydrants. During the year 20 additional hydrants have been set, aggregating 1,348, the property of the city, and 43 owned by private parties, making a total of 1,391 available for fire purposes. In addition, there are 55 cisterns, with an aggregate capacity of 2,000,000 gallons.

## HORSES.

This Department has lost seven horses during the year—two by accident, one by disease, and four condemned as unserviceable and sold by order of his Honor the Mayor. I would urge the immediate purchase of four horses of the kind and character suitable for our service, and all horses hereafter required, to be selected and purchased subject to a trial of one month. In the month of December, the disease called "pink-eye" attacked the horses of the Department in a mild form, and in every case yielded to proper treatment. We have on hand 71 horses, distributed as follows:

With engine companies.....	36
With hose companies....	13
With truck companies.....	8
With Chief Engineer.....	1
With Assistant Engineer.....	1
With Corporation Yard.....	12
With Corporation Yard, (mule) .....	1
Total.....	72

## FIRE ORDINANCES.

The Engineer Corps of the department are by law constituted a Board of Fire Wardens, whose duty consists of examining all buildings erected or in course of erection. Many cases have come under their observation wherein large and costly brick buildings have (through ignorance or incompetency of the architects) been constructed in such a manner as would seriously endanger the lives of the occupants.

Notices have been served, and the attention of the owners called to the danger, who have in all cases acceded to the demands of the Fire Wardens, and the mistakes or errors rectified. Some, wherein party walls were in question, refused to comply with the ordinance, and a criminal prosecution was the result, and many cases were dismissed through defects in the law. My experience, and also that of the Board of Fire Wardens and of the expert of the Board, P. J. O'Connor, is that the fire ordinances should be materially amended. I have accordingly called attention to the sections I would have amended:

SECTION 3.—The floors of buildings constructed for the following uses shall be capable of sustaining with safety the following weights:

Tenement houses.....	100 pounds to the superficial foot.
Dry goods.....	310 pounds to the superficial foot.
Flour store or mill.....	350 pounds to the superficial foot.
Public assembly hall.....	180 pounds to the superficial foot.
Warehouse store.....	350 to 600 pounds to the superficial foot.
Sugar houses.....	350 to 500 pounds to the superficial foot.
Roof.....	60 pounds to the superficial foot.

When floors are supported on wooden columns the weight imposed upon them shall not exceed one-quarter of the breaking weight.

SECTION 8.—Party walls for buildings exceeding four stories in height, the basement walls shall be not less than twenty-four (24) inches in thickness; the first story shall be not less than twenty (20) inches in thickness; the second and third story shall be not less than sixteen (16) inches in thickness.

*Division walls* shall be considered as walls dividing a building whose outer walls have been constructed in accordance with Section 8.

SECTION 12.—*Cast iron lintels* shall, in all cases where they are required to carry brick work or other material, be constructed as follows:

The top flange shall contain not less than one-quarter of the metal contained in the bottom flange, and the thickness of metal in the rib or blade and top and bottom flange shall be as 5, 6, 8, and they shall have skin backs cast on them to receive the brick arch.

Wrought-iron girders of the box pattern, made of plate iron, shall have

diaphragms placed not more than five feet apart, properly riveted in place. All riveting shall be done with hot rivets, to be hammered to a conical head.

In the calculation of the strength of cast-iron lintels, the load shall not exceed one-quarter of the breaking weight, and for wrought-iron girders the load shall not exceed one-third of the breaking weight.

SECTION 15.—The brackets to sustain the cornices of buildings shall be of wrought-iron bars of not less than  $2\frac{1}{4}$  inches, to pass through the walls. Wooden brackets may be secured to them.

## UNIFORMS.

The uniforming of the engineers, and permanent men of the Department on duty at the different houses, in compliance with the orders of your Honorable Body, has been so generally commended by the public, and has proven to be so promotive of discipline and *esprit du corps*, that it gives rise to the hope that the time is not far distant when the whole, if not the greater portion, of the Department may become permanent men, and uniformed, thus placing it on an equality with other metropolitan cities.

Your attention is respectfully called to the statements hereto annexed, showing the workings of the Department for the year.

I take this occasion to return my thanks to Capt. Russell White of the Fire Patrol; Capt. John L. Durkee, Fire Marshal; and to P. Crowley, Chief of Police, for the valuable aid and assistance rendered the Department on occasions requiring such service; also to Superintendent John Curran, for the admirable system and management of his branch of the service.

To the officers and members of the Department I am under obligations for the intelligence and efficiency displayed by them on all occasions, and to your Honorable Board for the unceasing diligence displayed by you to keep the Department in a manner alike creditable to all concerned.

Respectfully submitted.

DAVID SCANNELL,

Chief Engineer, San Francisco Fire Department.

SAN FRANCISCO, July 1, 1882.

# NUMERICAL STRENGTH OF DEPARTMENT ON JUNE 30, 1882, OF OFFICERS AND EMPLOYEES.

## UNIFORMED FORCE—

Chief Engineer of Department.....	1
Assistant Engineer of Department.....	1
District Engineers.....	4

## PERMANENT FORCE, UNIFORMED—

Engineers of Steamers.....	12	
Stokers of Steamers.....	12	
Drivers of Steamers.....	12	
Drivers of Hose companies.....	9	
Stewards of Hose companies.....	9	
Drivers of Truck.....	4	
Tillerman of Truck.....	4	
Hydrantmen.....	2	
Drayman.....	1	
	—	65

## MEMBERS AT CALL, UNUNIFORMED—

Foremen of companies.....	25	
Hosemen.....	150	
Hook and Ladder men.....	48	
	—	223

## REPAIR SHOP, CORPORATION YARD—

Superintendent of Engines.....	1	
Assistant Superintendent of Engines.....	1	
Substitute Engineer and Machinist.....	1	
Veterinary Surgeon.....	1	
Clerk of Corporation Yard.....	1	
Carpenter.....	1	
Watchman.....	1	
	—	7

## COMMISSIONERS' OFFICE—

Clerk and Secretary.....	1	
Janitor and Messenger.....	1	
	—	2

Total employes..... 303



## LOSSES BY FIRE DURING THE FISCAL YEAR ENDING JUNE 30, 1882.

YEAR.	ESTIMATED LOSS.	INSURANCE.	INSURANCE PAID.
1881—July.....	\$26,402 49	\$154,404 33	\$17,192 99
August.....	53,976 75	244,383 34	35,579 75
September.....	81,066 54	328,900 00	55,811 93
October.....	193,575 76	329,290 21	92,940 58
November.....	32,587 06	151,987 00	18,518 56
December.....	28,251 80	87,225 00	17,212 95
1882—January.....	61,952 62	222,110 00	39,223 33
February.....	17,301 65	267,329 67	12,616 15
March.....	46,209 65	162,230 02	28,660 50
April.....	16,213 65	69,650 00	8,563 65
May.....	35,383 70	354,550 00	31,335 70
June.....	108,704 68	260,166 67	59,004 22
Totals.....	\$701,626 35	\$2,632,226 24	\$416,660 31

## CAUSES OF FIRES AND ALARMS.

Ashes.....	10	<i>Brought forward.....</i>	195
Boiling over of fat.....	2	Explosion of boiler.....	1
Boiling over of pitch.....	1	Explosion of chemicals.....	1
Bonfires.....	1	Explosion of coal oil lamps.....	35
Carelessness of benzine lamp.....	1	Explosion of coal oil stoves.....	3
Carelessness of candle.....	20	Explosion of gas.....	1
Carelessness of cigars.....	13	Explosion of gasoline.....	1
Carelessness of fire.....	5	False.....	20
Carelessness of lamp.....	1	Fireworks.....	44
Carelessness of matches.....	14	Friction.....	2
Carelessness of pipe.....	9	Fumes from benzine.....	2
Children with matches.....	24	Gas lights.....	5
Chimneys.....	17	General alarms.....	1
Defective chimneys.....	25	Incendiary.....	9
Defective dry-room.....	1	Overheated stoves.....	1
Defective flue.....	2	Rekindling.....	2
Defective furnace.....	9	Sparks from chimney.....	25
Defective forge.....	2	Sparks from smokestack.....	6
Defective grate.....	8	Sparks from stoves.....	1
Defective oven.....	4	Spontaneous combustion.....	11
Defective range.....	9	Second alarms.....	5
Defective smokerroom.....	1	Tinker's furnace.....	2
Defective stoves.....	5	Tramps smoking.....	1
Defective stovepipe.....	4	Upsetting coal oil lamp.....	7
Drunkenness.....	6	Unknown.....	25
Explosion of alcohol.....	1	Total.....	406
<i>Carried forward.....</i>	195		

TABULAR STATEMENT OF THE DUTY PERFORMED BY EACH  
COMPANY DURING THE YEAR ENDING JUNE 30, 1882.

NUMBER OF COMPANY.	NO. OF TIMES IN SERVICE.	TIME AT WORK.	NO. OF ALARMS RESPONDED TO.	TOTAL.
		Hrs. Min.	Hall Bell. Still.	
Engine Company No. 1.	41	71 40	301 5	306
Engine Company No. 2.	65	119 ..	301 10	311
Engine Company No. 3.	39	57 40	301 9	310
Engine Company No. 4.	66	94 45	301 11	312
Engine Company No. 5.	55	67 05	301 8	309
Engine Company No. 6.	45	103 ..	301 12	313
Engine Company No. 7.	49	57 55	301 6	307
Engine Company No. 8.	14	22 20	301 4	305
Engine Company No. 9.	69	177 05	301 13	314
Engine Company No. 10.	48	96 ..	301 17	318
Engine Company No. 11.	10	54 15	41 9	50
Engine Company No. 12.	31	77 30	301 6	307
Hose Company No. 1....	46	69 55	301 12	313
Hose Company No. 2....	16	26 05	301 2	303
Hose Company No. 3....	35	93 30	301 2	303
Hose Company No. 4....	19	29 10	301 0	301
Hose Company No. 5....	41	71 15	301 7	308
Hose Company No. 6....	18	29 40	301 5	306
Hose Company No. 7....	8	27 25	41 8	49
Hose Company No. 8....	2	4 ..	301 3	304
Hose Company No. 9....	11	118 ..	301 8	309
Truck Company No. 1....	114	146 20	301 6	307
Truck Company No. 2....	46	162 40	301 3	304
Truck Company No. 3....	125	205 50	301 15	316
Truck Company No. 4....	42	59 45	301 10	311

This statement includes Hall bell and still alarms.

STATEMENT OF THE STEAM FIRE ENGINES IN POSSESSION OF  
THE DEPARTMENT, AND LOCATION.

COMPANY.	CLASS.	STYLE.	MADE BY.	WEIGHT	WHEN PLACED IN SERVICE
Engine Company No. 1...	Second.	Straight Frame.	Amoskeag Manfg Co..	6,700	1872
Engine Company No. 2...	Second.	Crane Neck ....	Amoskeag Manfg Co..	6,700	1878
Engine Company No. 3...	Third...	Crane Neck ....	Amoskeag Manfg Co..	5,800	1879
Engine Company No. 4...	Second.	Crane Neck ....	Amoskeag Manfg Co..	6,700	1872
Engine Company No. 5...	Second.	U Tank .....	Amoskeag Manfg Co..	6,700	1866
Engine Company No. 6...	Second.	Straight Frame.	Amoskeag Manfg Co..	6,700	1877
Engine Company No. 7...	Second.	U Tank .....	Amoskeag Manfg Co..	6,700	1866
Engine Company No. 8...	Third...	Harp Tank .....	Amoskeag Manfg Co..	5,800	1869
Engine Company No. 9...	Second.	Straight Frame.	Amoskeag Manfg Co..	6,700	1870
Engine Company No. 10...	Second.	Straight Frame.	Amoskeag Manfg Co..	6,700	1868
Engine Company No. 11.	Second.	U Tank .....	Amoskeag Manfg Co..	6,700	1866
Engine Company No. 12...	First...	Crane Neck ....	Clapp & Jones. ....	7,000	1882
Reserve Steamer No. 1...	First...	Straight Frame.	Amoskeag Manfg Co..	9,500	1866
Reserve Steamer No. 2...	Second.	Straight Frame.	Kimball Co.....	8,300	1876
Reserve Steamer No. 3...	Second.	Straight Frame.	Amoskeag Manfg Co..	6,700	1866
Reserve Steamer No. 4...	Second.	U Tank .....	Amoskeag Manfg Co..	6,700	1866
Reserve Steamer No. 5...	Second.	U Tank .....	Amoskeag Manfg Co..	6,700	1866
Reserve Steamer No. 6...	Third..	Harp Tank .....	Kimball Co.....	5,800	1874

# LOCATION OF STEAM FIRE ENGINES, HOSE COMPANIES AND TRUCK COMPANIES.

Steamer No. 1—Pacific street between Montgomery and Sansome.  
 Steamer No. 2—North side of Bush street, between Kearney and Dupont streets.  
 Steamer No. 3—South side of California street, between Leavenworth and Hyde.  
 Steamer No. 4—West side of Second street, between Natoma and Howard.  
 Steamer No. 5—West side of Stockton street, between Pacific and Broadway.  
 Steamer No. 6—East side of Sixth street, south of Folsom.  
 Steamer No. 7—Sixteenth street, above Valencia.  
 Steamer No. 8—North side of Pacific avenue, between Polk and Van Ness avenue.  
 Steamer No. 9—West side of Main, near Folsom.  
 Steamer No. 10—Bryant street, between Third and Fourth.  
 Steamer No. 11—Fourteenth avenue, near Railroad avenue, South San Francisco.  
 Steamer No. 12—Drumm street, southwest corner Commercial street.  
 Hose Company No. 1—North side of Jackson street, between Front and Davis.  
 Hose Company No. 2—Post street, near Fillmore.  
 Hose Company No. 3—Folsom street, between Twenty-first and Twenty-second.  
 Hose Company No. 4—East side of Stockton street, north of Greenwich street.  
 Hose Company No. 5—South side of Market street, between Tenth and Eleventh.  
 Hose Company No. 6—McAllister street, between Webster and Buchanan.  
 Hose Company No. 7—Tennessee street, between Sierra and Napa.  
 Hose Company No. 8—South side of Filbert street, between Webster and Fillmore.  
 Hose Company No. 9 (Fire Boat)—Broadway wharf, foot of Broadway.  
 Truck No. 1—North side of O'Farrell street, west of Dupont.  
 Truck No. 2—South side of Broadway street, between Dupont and Stockton.  
 Truck No. 3—South side of Market, between Tenth and Eleventh.  
 Truck No. 4—North side of Pacific street, between Jones and Leavenworth.  
 Corporation Yard—No. 50 Sacramento street, between East and Drumm.

## HOSE.

### STATEMENT OF THE QUANTITY AND LOCATION OF HOSE IN POSSESSION OF DEPARTMENT.

Engine Company No. 1.....	700 feet 2½-inch Carbolized Hose.	
Engine Company No. 2.....	800	do do
Engine Company No. 3.....	700	do do
Engine Company No. 4.....	750	do do
Engine Company No. 5.....	700	do do
Engine Company No. 6.....	700	do do
Engine Company No. 7.....	700	do do
Engine Company No. 8.....	700	do do
Engine Company No. 9.....	750	do do
Engine Company No. 10.....	750	do do
Engine Company No. 11.....	750	do do
Engine Company No. 12.....	750	do do
Hose Company No. 1.....	700	do do
Hose Company No. 2.....	1000	do do
Hose Company No. 3.....	1000	do do
Hose Company No. 4.....	700	do do
Hose Company No. 5.....	700	do do
Hose Company No. 6.....	1000	do do
Hose Company No. 7.....	1000	do do
Hose Company No. 8.....	1000	do do
Hose Company No. 9.....	800	do do
Hose Depot, Corporation Yard.....	2100	do do

## CISTERNS.

## NUMBER AND LOCATION.

No.	LOCATION.	CAPACITY.
1.....	Dupont and Bush streets, crossings.....	29,000 gallons.
2.....	Dupont and California streets, crossings.....	30,000 "
3.....	Dupont and Washington streets, crossings.....	25,000 "
4.....	Dupont and Pacific streets, crossings.....	28,275 "
5.....	Dupont and Broadway streets, crossings.....	35,000 "
6.....	Dupont and Vallejo streets, crossings.....	30,000 "
7.....	Dupont and Green streets, crossings.....	32,000 "
8.....	Dupont and Union streets, crossings.....	20,000 "
9.....	Dupont and Greenwich streets, crossings.....	32,000 "
10.....	Kearny and Post streets, crossings.....	30,000 "
11.....	Kearny and Bush streets, crossings.....	27,000 "
12.....	Kearny and California streets, crossings.....	20,000 "
13.....	Kearny and Sacramento streets, crossings.....	18,000 "
14.....	Kearny and Merchant streets, crossings.....	30,000 "
15.....	Montgomery and Bush streets, crossings.....	21,538 "
16.....	Montgomery and California streets, crossings.....	32,000 "
17.....	Montgomery and Commercial streets, crossings.....	32,000 "
18.....	Montgomery and Washington streets, crossings.....	30,000 "
19.....	Montgomery and Pacific streets, crossings.....	30,000 "
20.....	Sansome and Bush streets, crossings.....	25,000 "
21.....	Sansome and Pacific streets, crossings.....	30,000 "
22.....	Battery and Bush streets, crossings.....	30,000 "
23.....	Davis and California streets, crossings.....	40,000 "
24.....	Stockton and Pacific streets, crossings.....	25,000 "
25.....	Stockton and Broadway streets, crossings.....	20,000 "
26.....	Stockton and Vallejo streets.....	20,000 "
27.....	Stockton and Green streets, crossings.....	21,000 "
28.....	Stockton and Union streets, crossings.....	30,000 "
29.....	Powell and Ellis streets, crossings.....	25,000 "
30.....	Powell and Washington streets, crossings.....	30,000 "
31.....	Powell and Jackson streets.....	30,000 "
32.....	Powell and Pacific streets, crossings.....	30,000 "
33.....	Powell and Broadway streets, crossings.....	14,728 "
34.....	Powell and Green streets, crossings.....	16,315 "
35.....	Powell and Filbert streets, crossings.....	20,000 "
36.....	Taylor and Clay streets, crossings.....	45,000 "
37.....	Jones and Jackson streets, crossings.....	100,000 "
38.....	Broadway and Ohio streets, crossings.....	40,000 "
39.....	First and Folsom streets, crossings.....	29,000 "
40.....	First and Harrison streets, crossings.....	100,000 "
41.....	Second and Folsom streets, crossings.....	51,000 "
42.....	Stevenson and Ecker streets, crossings.....	27,000 "
43.....	Sixteenth and Folsom streets, crossings.....	100,000 "
44.....	Sixteenth and Mission streets, crossings.....	27,000 "
45.....	Sixteenth and Dolores streets, crossings.....	42,000 "
46.....	Nineteenth and Folsom streets, crossings.....	100,000 "
47.....	Nineteenth and Howard streets, crossings.....	100,000 "
48.....	Nineteenth and Guerrero streets, crossings.....	100,000 "
49.....	Twenty-second and Shotwell streets, crossings.....	100,000 "
50.....	Kearny and Pacific streets, crossings.....	20,000 "
51.....	Union and Leavenworth streets, crossings.....	20,000 "
52.....	Sacramento and Sansome streets, crossings.....	20,000 "
53.....	Fremont and Mission streets, crossings.....	20,000 "
54.....	Mason and California streets, crossings.....	20,000 "
55.....	Filbert and Polk streets, crossings, private.....	

## RECAPITULATION.

Total Capacity of Cisterns.....2,011,856 gallons.  
Total Number of Cisterns.....55

## COMPANY STATISTICS.

21

## STEAMER COMPANY NO. 1.

LOCATION—PACIFIC STREET, BETWEEN MONTGOMERY AND SANSOME.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Geo. Gallagher.....	27	New York.....	Engineer.....	2	Engineer.
John Robertson.....	30	New York.....	Teamster.....	3	Driver.
Eugene Sullivan.....	29	New York.....	Blacksmith.....	4	Stoker.
MEMBERS AT CALL.					
John Hewston.....	33	Pennsylvania.....	Collector.....	1	Foreman.
Wm. Clare.....	28	England.....	Gas Company.....	11	Asst Foreman
O. F. Baker.....	42	Massachusetts.....	Stevedore.....	5	Hoseman.
T. Regan.....	27	California.....	Clerk.....	6	Hoseman.
Geo. Haggett.....	30	California.....	Bartender.....	7	Hoseman.
Jas. Lanigan.....	33	Massachusetts.....	Plasterer.....	8	Hoseman.
H. Cooper.....	44	New Jersey.....	Bricklayer.....	9	Hoseman.
J. Krausgrill.....	34	England.....	Gunsmith.....	10	Hoseman.
T. Langan.....	47	New York.....	Special Officer.....	12	Hoseman.

Transfers—November 3, H. Cooper from Truck No. 2, vice R. Lovick, transferred.

## STEAMER COMPANY NO. 2.

LOCATION—NORTH SIDE OF BUSH STREET, BETWEEN KEARNY AND DUPONT.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Thomas Sullivan.....	38	New York.....	Engineer.....	14	Engineer.
James McLaughlin.....	34	Ireland.....	Engineer.....	16	Stoker.
Frank Donovan.....	24	Massachusetts.....	Teamster.....	15	Driver.
MEMBERS AT CALL.					
Thomas Sands.....	37	England.....	Painter.....	13	Foreman.
Thomas Johnstone.....	30	Illinois.....	Painter.....	17	Asst Foreman
Charles C. Franz.....	46	Germany.....	Teamster.....	18	Hoseman.
John P. Quill.....	25	Illinois.....	Clerk.....	19	Hoseman.
Rudolph Schottler.....	30	Maryland.....	Tinsmith.....	20	Hoseman.
William J. Courtney.....	26	Massachusetts.....	Laborer.....	21	Hoseman.
John Welch.....	22	New York.....	Shoemaker.....	22	Hoseman.
John H. Gillin.....	24	California.....	Harness Maker.....	23	Hoseman.
Phomas Tracy.....	25	Ireland.....	Laborer.....	24	Hoseman.

Resignations—Eight.

Appointments—Six.

Transfers—Three.

Injured at Fires—John H. Gillin, February 19, 1882, Fox 43.

## STEAMER COMPANY NO. 3.

LOCATION—SOUTH SIDE OF CALIFORNIA STREET, BET. LEAVENWORTH AND HYDE.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Joseph T. Holloway.....	47	Ohio .....	Engineer.....	26	Engineer.
Michael Dougherty.....	32	Massachusetts .....	Plumber.....	28	Stoker.
James J. Maloney.....	29	Massachusetts .....	Driver .....	27	Driver.
MEMBERS AT CALL.					
Michael J. Dolan.....	38	Ireland.....	Lamplighter.....	25	Foreman.
Patrick Barry.....	30	Ireland.....	Boiler Maker.....	29	Asst Foreman
Geo. W. Lawton.....	34	New York. ....	Wagon Maker.....	30	Hoseman.
Thomas J. Shields.....	40	Massachusetts .....	Lather.....	31	Hoseman.
Louis Fuselier.....	28	New York.....	Clerk.....	32	Hoseman.
Peter Galligan.....	26	New York.....	Laborer.....	33	Hoseman.
John J. Sullivan.....	34	Massachusetts.....	Gas Fitter.....	34	Hoseman.
Daniel J. Gallagher.....	30	Massachusetts.....	Butcher.....	35	Hoseman.
Geo. Holmes.....	24	New York.....	Butcher.....	36	Hoseman.

Resignations—February 14, John Farrell.

Appointments—February 14, P. Barry vice John Farrell; February 13, P. Galligan vice C. Duesenbury.

Transfers—J. Maloney was appointed to Engine No. 7 and transferred to Engine No. 3; B. Lawrence, to Engine No. 7.

Injured at Fires—George Lawton, at fire at Box 95, had his feet scalded, May 22d.

## STEAMER COMPANY NO. 4.

LOCATION—WEST SIDE OF SECOND STREET, BETWEEN NATOMA AND HOWARD.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
John J. Murphy.....	43	Ireland.....	Engineer.....	38	Engineer,
Charles Bell.....	33	Denmark .....	Butcher.....	39	Stoker.
Hugh Riley.....	25	Massachusetts.....	Teamster.....	40	Driver.
MEMBERS AT CALL.					
Edward Keating.....	36	Massachusetts.....	Silver Plater.....	37	Foreman.
John Whelan.....	31	Massachusetts.....	Clerk.....	41	Asst Foreman
William E. Tracey.....	25	New York.....	Gas Fitter.....	42	Hoseman.
Martin Hannan.....	25	California.....	Harnessmaker.....	43	Hoseman.
Patrick Curran.....	33	Ireland.....	Carpenter.....	44	Hoseman.
Phillip P. McMahon.....	31	California.....	Jeweler.....	45	Hoseman.
Joseph T. Winter.....	30	New York.....	Metal worker.....	46	Hoseman.
Joseph Currington.....	29	California.....	Tinner.....	47	Hoseman.
William Brown.....	27	California.....	Stevedore.....	48	Hoseman.

Resignations—Two: George L. Darling, July 3, 1881; John Danrehan, March 14, 1882.

Appointments—Three: Joseph T. Winter, July 3, 1881, vice George L. Darling; Joseph Currington, February 9, 1882, vice J. F. Lyons; William Brown, March 22, 1882, vice John Hanrehan.

Transfers—Three: J. F. Lyons, November 11, 1881, from Hose No. 5 to Engine No. 4, vice John J. Welch, to Hose No. 5; James Tully, December 1, 1881, from Engine No. 12, vice Charles Vincent.

Injured at Fire—One: Charles Bell, stoker, was injured by a falling wall at a fire in the California Planing Mill, corner of Howard and Spear streets, October 13, 1881.

## STEAMER COMPANY NO. 5.

LOCATION—WEST SIDE OF STOCKTON STREET, BET. PACIFIC AND BROADWAY.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Hugh J. Colvin .....	45	Scotland .....	Engineer .....	58	Engineer.
J. M. Stroud .....	31	Ohio .....	Harnessmaker .....	59	Stoker.
Joseph Hess .....	23	California .....	Teamster .....	60	Driver.
MEMBERS AT CALL.					
John J. Mahoney .....	42	Illinois .....	Lamplighter .....	49	Foreman.
Bernard Golden .....	25	New York .....	Bartender .....	50	Asst Foreman.
John J. Colvin .....	36	Scotland .....	Advertiser .....	51	Hoseman.
Henry Robinet .....	35	Louisiana .....	Lamplighter .....	52	Hoseman.
Fred. Rose .....	42	New York .....	Bartender .....	53	Hoseman.
J. D. Wilson .....	37	New York .....	Advertiser .....	54	Hoseman.
John Burns .....	28	California .....	Boatman .....	55	Hoseman.
Edward Relley .....	31	England .....	Harnessmaker .....	56	Hoseman.
Felix Desmond .....	28	Massachusetts .....	Painter .....	57	Hoseman.

Transfers—Joseph Hess, driver, from Engine No. 8.

Injured at Fires—John J. Mahoney, J. J. Colvin, J. D. Wilson.



## CHIEF ENGINEER'S REPORT.

## STEAMER COMPANY NO. 6.

LOCATION—EAST SIDE OF SIXTH STREET, SOUTH OF FOLSOM.

NAME.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Wm. P. Simpson .....	43	Ireland.....	Engineer.....	70	Engineer.
Francis Atkinson.....	46	Kentucky.....	Fireman.....	71	Stoker.
Edward Reilly.....	29	Massachusetts.....	Teamster.....	72	Driver.
MEMBERS AT CALL.					
John Dougherty.....	36	Massachusetts.....	Gasfitter.....	61	Foreman.
Geo. Riordon.....	25	Massachusetts.....	Gasfitter.....	66	Asst Foreman
John Daly.....	27	Massachusetts.....	Boilermaker.....	63	Hoseman.
J. J. Campbell.....	27	New York.....	Boilermaker.....	64	Hoseman.
Thos. Allen.....	35	New York.....	Plumber.....	62	Hoseman.
Wm. Gassert.....	26	California.....	Painter.....	65	Hoseman.
Phil. O'Neal.....	35	Alabama.....	Iron worker.....	67	Hoseman.
Chas. Crockett.....	32	Ireland.....	Turner.....	68	Hoseman.
J. Riordon.....	27	Massachusetts.....	Clerk.....	69	Hoseman.

Resignations—Frank Loane, J. F. Reilly.

Appointments—Charles Crockett, J. Riordon, Phil G. O'Neill, Thomas Allen, J. Daly.

Transfers—B. F. Currier, J. McGee, W. J. Moran.

## STEAMER COMPANY NO. 7.

LOCATION—SIXTEENTH STREET, ABOVE VALENCIA STREET.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
P. H. Fleming .....	43	Ireland.....	Engineer.....	82	Engineer.
John Cook.....	48	New York.....	Machinist.....	83	Stoker.
B. B. Lawrence.....	42	Massachusetts.....	Teamster.....	84	Driver.
MEMBERS AT CALL.					
John J. Skehan.....	41	Ireland.....	Cooper.....	73	Foreman.
John O'Neil.....	38	Ireland.....	Lamp lighter.....	74	Asst Foreman
Theodore Schulte.....	52	Germany.....	Coal dealer.....	75	Hoseman.
Bryan Burns.....	48	Ireland.....	Teamster.....	76	Hoseman.
Edward O'Neil.....	43	Ireland.....	Machinist.....	77	Hoseman.
John M. Byron.....	27	America.....	Bricklayer.....	78	Hoseman.
Thos. Barry.....	39	Ireland.....	Shoe maker.....	79	Hoseman.
Dennis Coyne.....	34	Ireland.....	Clerk.....	80	Hoseman.
Wm. Fitzgerald.....	30	Ireland.....	Lamp lighter.....	81	Hoseman.

Appointment—B. B. Lawrence.

Injured at Fire—B. B. Lawrence.



## STEAMER COMPANY NO. 8.

LOCATION—NORTH SIDE PACIFIC AVENUE, BET. POLK AND VAN NESS AVENUE.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
A. B. Brandt .....	47	Ireland.....	Engineer.....	86	Engineer.
Thomas Murphy.....	33	Massachusetts.....	Carpenter .....	88	Stoker.
J. F. Finn.....	26	California.....	Teamster.....	87	Driver.
MEMBERS AT CALL.					
James Grady .....	42	New York.....	Clerk.....	85	Foreman.
R. J. Courtier .....	33	Australia.....	Gasfitter.....	89	Asst Foreman
James Crowley .....	24	California.....	Painter .....	90	Hoseman.
James Kennedy .....	34	Australia.....	Collector .....	91	Hoseman.
Thomas Canty.....	25	Ireland.....	Lampighter.....	92	Hoseman.
James J. Colvin.....	33	New York.....	Gasfitter.....	93	Hoseman.
Thomas Fox .....	50	Ireland.....	Coppersmith.....	94	Hoseman.
J. J. Harrigan.....	30	California.....	Tinsmith.....	95	Hoseman.
J. T. Connell.....	36	New York.....	Porter.....	96	Hoseman.

Death—S. O. Robinson, March 21.

Transfers—James Crowley, from Engine No. 10, vice Robinson, died; J. F. Finn, from Engine No. 5, vice Hess; J. J. Horrigan, from Engine No. 2, vice Horrigan.

## STEAMER COMPANY NO. 9.

LOCATION—WEST SIDE OF MAIN STREET, NEAR FOLSOM.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Sam'l Bridgewood.....	51	Ireland.....	Engineer.....	98	Engineer.
James Mason.....	26	Iowa.....	Painter .....	100	Stoker.
George Bailey.....	27	California.....	Teamster.....	99	Driver.
MEMBERS AT CALL.					
Martin Kelly.....	37	England .....	Filemaker.....	97	Foreman.
John Clark.....	37	New York.....	Machinist.....	101	Asst Foreman
James W. Buchanan.....	27	California.....	Lather .....	102	Hoseman.
Wm. Quinn .....	27	California.....	Caulker.....	103	Hoseman.
John Stanton.....	25	New York.....	Butcher .....	104	Hoseman.
Frank Johnson.....	31	Massachusetts .....	Boxmaker.....	105	Hoseman.
Thomas O'Reilly .....	35	Canada .....	Shoemaker.....	106	Hoseman.
James Cullinane.....	29	California.....	Plumber .....	107	Hoseman.
Richard Creighton.....	22	California.....	Blacksmith .....	108	Hoseman.

Resignations—James Craven, March 24, 1882; Edward Tully, June 1, 1882.

Appointments—James Craven, October 10, 1881; John Santon, May 23, 1882; Richard Creighton, June 2, 1882.

Transfers—John Lyons to Hose No. 5, October 10, 1881; Bernard Rawle to Engine No. 10, May 16, 1882; S. Louder to Engine No. 10, May 18, 1882.

Injured at Fires—Martin Kelly, foreman, cut on wrist with broken glass, October 13, 1881; William Courtney fell overboard at Union-street wharf while getting over suction—bad cut on chin.

## STEAMER COMPANY NO. 10.

LOCATION—BRYANT STREET, BETWEEN THIRD AND FOURTH.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Joseph Bridgwood.....	33	New York.....	Engineer.....	110	Engineer.
James C. Fraser.....	44	Canada.....	Engineer.....	112	Stoker.
Patrick Mahan.....	35	Ireland.....	Teamster.....	111	Driver.
MEMBERS AT CALL.					
Bernard Rawle.....	28	California.....	Carpenter.....	109	Foreman.
S. Lawder.....	34	Vermont.....	Hay dealer.....	113	Asst Foreman
Daniel Kirby.....	27	Maine.....	Pile driver.....	114	Hoseman.
Henry Casey.....	26	Illinois.....	Shoemaker.....	118	Hoseman.
William Erbin.....	43	Germany.....	Grocer.....	115	Hoseman.
William Bigger.....	32	California.....	Porter.....	116	Hoseman.
Thomas Bender.....	29	Washington, D. C. .	Brick layer.....	117	Hoseman.
William Williams.....	34	New Zealand.....	Carpenter.....	120	Hoseman.
James Forbes.....	32	New York.....	Boiler maker.....	119	Hoseman.

August 27, 1881, Hugh Riley transferred from Engine No. 12 to Engine No. 10; John Lawson transferred from Engine No. 10 to Engine No. 12.

December 31, 1881, James Crowley reported for duty vice Liddle, discharged.

December 17, 1881, James Forbes reported for duty vice Dever, resigned.

March 28, 1882, William Bigger reported for duty vice Crowley, transferred to Engine No. 8.

April 1, 1882, P. J. Mahan transferred from Engine No. 9 to Engine No. 10; Hugh Riley transferred from Engine No. 10 to Engine No. 9.

May 18, 1882, S. Louder transferred from Engine No. 9 to Engine No. 10, vice Layden, resigned.

May 16, 1882, B. Rawle transferred from Engine No. 9 to Engine No. 10 as foreman, vice Thomas O'Reilly, transferred from Engine No. 10 to Engine No. 9.

April 1, 1881, Daniel Kirby, extraman, was injured at fire at corner of Fifth and Bryant streets.

May 13, 1882, J. C. Fraser reported for duty, vice Gordon, discharged.

## COMPANY STATISTICS.

27

## STEAMER COMPANY NO. 11.

LOCATION—FOURTEENTH AVENUE, NEAR RAILROAD AVENUE, SOUTH SAN FRANCISCO.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
John S. Jackson.....	40	England .....	Engineer.....	197	Engineer.
W. S. Rowan .....	32	New York .....	Clerk.....	199	Stoker.
Edward Mandwell.....	32	Ireland.....	Teamster.....	198	Driver.
MEMBERS.					
Chas. J. Gillen.....	34	New York.....	Butcher.....	196	Foreman.
J. J. Ford.....	31	New York.....	Butcher.....	201	Asst Foreman
Chas. W. Smith.....	31	New York.....	Butcher.....	202	Hoseman.
Chris. Windrow.....	34	England.....	Butcher.....	203	Hoseman.
Richard Windrow.....	33	Louisiana.....	Butcher.....	204	Hoseman.
Edward McCarthy.....	39	Ireland.....	Carpenter.....	205	Hoseman.
P. W. Lahaney.....	42	Ireland.....	Saddler.....	206	Hoseman.
Thos. McTiernan.....	41	Ireland.....	Shipsmith.....	207	Hoseman.
Thos. B. Goodman.....	23	California.....	Painter.....	200	Hoseman.

Death—J. J. Dooley, June 23, 1882.

Resignation—George Welsh, January 1, 1882.

Appointments—T. B. Goodman, January 1, 1882; Edward McCarthy, July 27, 1882.

## STEAMER COMPANY NO. 12.

LOCATION—CORNER COMMERCIAL AND DRUMM STREETS

NAME.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Frank Crockett.....	32	New Jersey .....	Machinist.....	248	Engineer.
Chas. Gillette.....	29	Illinois.....	Fireman.....	250	Stoker.
Edward Fleming.....	40	Ireland.....	Teamster.....	249	Driver.
MEMBERS AT CALL.					
Geo. Maxwell.....	26	California.....	Clerk.....	247	Foreman.
Jno. Laveroni.....	28	Massachusetts.....	Marble cutter.....	251	Asst Foreman
Thos. Fernandez.....	24	New York.....	Plumber.....	252	Hoseman.
B. Donnelly.....	42	Ireland.....	Fireman.....	253	Hoseman.
Wm. Lodge.....	49	Massachusetts.....	Janitor.....	254	Hoseman.
N. Barbetta.....	25	California.....	Clerk.....	255	Hoseman.
Thos. Mathews.....	24	California.....	Boatman.....	256	Hoseman.
Jas. O'Connor.....	44	Vermont.....	Teamster.....	257	Hoseman.
I. Gurmendez.....	24	California.....	Harnessmaker.....	258	Hoseman.

Resignations—John Lawson, John McGouery.

Appointments—Edward Fleming, Nic. Barbetta, John McGouery.

Transfers—John McGouery, George Bailey.

## SAN FRANCISCO HOSE No. 1.

LOCATION—NORTH SIDE OF JACKSON STREET, BET. FRONT AND DAVIS.

The Hose-Reel is two-wheeled, Amoskeag pattern, built in this city. It is drawn by one horse, and when in service carries 600 feet of hose.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
John Dougherty.....	27	California.....	Teamster.....	128	Driver.
Shad. Campbell.....	27	Scotland.....	Teamster.....	129	Steward.
MEMBERS AT CALL.					
Charles Towe.....	33	Massachusetts.....	Caulker.....	121	Foreman.
John Hayes.....	38	Massachusetts.....	Expressman.....	122	Asst Foreman
Richard Hammond.....	33	Massachusetts.....	Boatman.....	123	Hoseman.
John J. Coles.....	26	New Jersey.....	Caulker.....	124	Hoseman.
Jerry Dugan.....	42	Massachusetts.....	Laborer.....	125	Hoseman.
Charles Duffey.....	40	Ireland.....	Druggist.....	126	Hoseman.
Hugh Smith.....	22	New York.....	Porter.....	127	Hoseman.

Resignation—James Bellew, June 5, 1882.

Appointments—J. Dougherty, March 20, 1882; H. Smith, June 5, 1882.

Transfers—S. Campbell from Engine No. 2 to Hose No. 1, September 14, 1881.

## SAN FRANCISCO HOSE No. 2.

LOCATION—POST STREET, NEAR FILLMORE.

The Hose-Reel is four-wheeled, built by the Amoskeag Manufacturing Company, Manchester, New Hampshire. It is drawn by two horses, and when in service carries 900 feet of hose.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
James Talbot.....	54	Ireland.....	Teamster.....	131	Driver.
William Burns.....	39	Massachusetts.....	Teamster.....	132	Steward.
MEMBERS AT CALL.					
Michael Lavelle.....	39	Ireland.....	Shoemaker.....	130	Foreman.
James F. Byrne.....	39	New Jersey.....	Carpenter.....	133	Asst Foreman
John Clements.....	41	New York.....	Printer.....	134	Hoseman.
Cornelius Shine.....	43	Ireland.....	Milkman.....	135	Hoseman.
Charles Oram.....	43	New York.....	Coppersmith.....	136	Hoseman.
Richard O'Connor.....	27	New York.....	Expressman.....	137	Hoseman.
Thomas Meagher.....	42	Ireland.....	Stevedore.....	138	Hoseman.

## COMPANY STATISTICS.

29

## SAN FRANCISCO HOSE No. 3.

LOCATION—FOLSOM STREET, BETWEEN TWENTY-FIRST AND TWENTY-SECOND.

The Hose-Reel is two-wheeled, of the Amoskeag pattern, built in this city. It is drawn by one horse, and when in service carries 600 feet of hose.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Thomas Bowlin.....	36	Louisiana .....	Teamster.....	146	Driver.
Jno. P. Adams.....	27	California.....	Gardner.....	141	Steward.
MEMBERS AT CALL.					
Isaac V. Denniston.....	50	New Jersey .....	Silver plater .....	139	Foreman.
Thomas Cavanaugh.....	41	Ireland.....	Caulker .....	140	Asst Foreman
James Bain.....	38	England .....	Engineer.....	142	Hoseman.
Robert Brown.....	48	Ireland.....	Whitener .....	143	Hoseman.
James Radford.....	27	California.....	Painter .....	144	Hoseman.
Edward F. Twobig .....	27	California.....	Painter .....	145	Hoseman.
William B. Ludlow.....	38	New York.....	Carpenter.....	147	Hoseman.

## HOSE COMPANY No. 4.

LOCATION—EAST SIDE OF STOCKTON STREET, NORTH OF GREENWICH.

Hose-Reel, two-wheeled; carries 600 feet hose.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
B. F. Lanfar.....	29	California.....	Teamster.....	149	Driver.
A. P. Ray .....	42	New York.....	Engineer.....	150	Steward.
MEMBERS AT CALL.					
James Derham.....	37	New York.....	Porter .....	148	Foreman.
D. A. Finn.....	42	Maine .....	Pressman.....	155	Asst Foreman
F. W. Keene.....	31	New York .....	Silver plater.....	153	Hoseman.
Wm. Derham .....	33	New York .....	Salesman.....	154	Hoseman.
Fred. Jackson.....	37	England .....	Upholsterer.....	152	Hoseman.
J. W. Brady.....	35	Massachusetts.....	Metal roofer.....	151	Hoseman.
Edwin Hayden.....	36	Vermont.....	Salesman.....	156	Hoseman.

## HOSE COMPANY No. 5.

LOCATION—SOUTH SIDE MARKET STREET, BETWEEN TENTH AND ELEVENTH.

Hose-Reel, two-wheeled; carries 600 feet hose.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Hath. H. Arnett.....	46	New York.....	Engineer.....	164	Driver.
James Tully.....	40	Ireland.....	Clerk.....	165	Steward.
MEMBERS AT CALL.					
James Riley.....	42	England.....	Porter.....	157	Foreman.
John Chester.....	42	Ireland.....	Special Police.....	158	Asst Foreman
William Moran.....	25	New York.....	Gas fitter.....	159	Hoseman.
Thos. McCann.....	45	Massachusetts.....	Clerk.....	160	Hoseman.
John Thompson.....	38	Pennsylvania.....	Machinist.....	161	Hoseman.
James Walch.....	39	New York.....	Expressman.....	162	Hoseman.
John Wilkinson.....	37	New York.....	Cooper.....	163	Hoseman.

Resignation—Michael O'Brien.

Appointments—John Thompson, James Tully, William Moran.

Transfers—M. Hart, George Wilson, J. Lyon, C. Crockett.

## HOSE COMPANY No. 6.

LOCATION—M'ALLISTER STREET, BETWEEN WEBSTER AND BUCHANAN.

Hose-Reel, four-wheeled; carries 900 feet hose.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
H. McCue.....	41	New York.....	Teamster.....	224	Driver.
Wm. Cunningham .....	32	Ireland.....	Wire worker .....	231	Steward.
MEMBERS AT CALL.					
P. H. Jones.....	43	Ireland.....	Caulker.....	223	Foreman.
J. Welch.....	28	California.....	Painter.....	228	Asst Foreman
T. Minton.....	40	Ireland.....	Shoemaker.....	227	Hoseman.
G. Flynn.....	31	Massachusetts.....	Milkman.....	229	Hoseman.
M. Byron.....	43	Scotland.....	Teamster.....	230	Hoseman.
J. Rice.....	37	Germany.....	Caulker.....	225	Hoseman.
E. Toellner .....	30	California.....	Teamster.....	226	Hoseman.

Transfers—E. W. Camp, November 8, 1881, from Hose No. 6 to Truck No. 1; H. McCue, November 8, 1881, from Truck No. 1 to Hose No. 6; William Cunningham, February 6, 1882, from Truck No. 1 to Hose No. 6; Thomas Johnstone, February 6, 1882, from Hose No. 6 to Engine No. 2; William Cunningham, April 15, 1882, from hoseman to steward; Joseph Rice, April 15, 1882, from steward to hoseman.

## HOSE COMPANY No. 7.

LOCATION—TENNESSEE STREET, BETWEEN SIERRA AND NAPA.

Hose-Reel, four-wheeled; carries 900 feet hose.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
M. C. Sullivan.....	32	Connecticut.....	Teamster.....	260	Driver.
N. Johnson .....	45	Sweden.....	Seaman ...	261	Steward.
MEMBERS AT CALL.					
M. McCoy.....	44	Ireland.....	Caulker .....	259	Foreman.
P. McCormick.....	38	Ireland.....	Grocer.....	262	Asst Foreman
D. Toomey.....	45	Ireland.....	Glassblower.....	265	Hoseman.
J. McCabe.....	47	Ireland.....	Moulder.....	263	Hoseman.
J. Crummev.....	28	California.....	Butcher.....	267	Hoseman.
W. Fulton.....	23	California.....	Clerk.....	266	Hoseman.
H. McCrea .....	53	Ireland.....	Roller.....	264	Hoseman.

Resignation—James Conniff.

Transfer—M. J. Van Bergen.

## HOSE COMPANY No. 8.

LOCATION—SOUTH SIDE FILBERT STREET, BET. WEBSTER AND FILLMORE.

Hose-Reel, four-wheeled; carries 900 feet hose.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Albert Hauser.....	26	California.....	Jeweler.....	269	Driver.
D. H. Kennard.....	50	Maryland .....	Carpenter.....	270	Steward.
MEMBERS AT CALL.					
J. J. Casebolt.....	39	Virginia.....	Blacksmith .....	268	Foreman.
Jno. Coughlan.....	32	Massachusetts.....	Plumber .....	271	Asst Foreman
S. S. Balk.....	32	Maryland .....	Porter..	272	Hoseman.
Jno. Devlin.....	46	Ireland.....	Hackman .....	274	Hoseman.
Pat. Canty.....	34	Ireland.....	Lamplighter .....	276	Hoseman.
H. Schmidt .....	32	Illinois.....	Butcher.....	273	Hoseman.
H. A. Perry.....	41	Maine .....	Laundryman.....	276	Hoseman:



## HOSE COMPANY No. 9.

(Fireboat Governor Irwin.)

LOCATION—BROADWAY WHARF, FOOT OF BROADWAY.

This boat was built in this city in 1878 for the Board of Harbor Commissioners. It was tendered to the Board of Fire Commissioners for the use of the Fire Department in case of fires on the city front or in the bay. The boat is tug built, is eighty-six (86) feet in length over all; breadth of beam, nineteen (19) feet six (6) inches; depth of hold, ten (10) feet six (6) inches, and eighty (80) tons measurement. It is fitted with two (2) non-condensing engines with cylinder eighteen (18) inches in diameter and eighteen (18) inch stroke; diameter of propeller, nine (9) feet. Has two (2) Hooker pumps attached, with a capacity of sixty-five thousand (65,000) gallons of water per hour at fair working speed, and is supplied with twelve hundred (1,200) feet of 2½-inch carbolized hose.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Samuel Gardner.....	52	Pennsylvania.....	Shipwright.....	259	Driver.
Thomas Connor.....	48	New York.....	Fireman.....	260	Steward.
MEMBERS AT CALL.					
Thomas Coleman.....	35	Massachusetts.....	Porter.....	261	Foreman.
Richard Sheppard.....	30	California.....	Printer.....	262	Asst Foreman
Thomas Forbes.....	23	California.....	Boatman.....	263	Hoseman.
James H. Lennon.....	31	Pennsylvania.....	File Cutter.....	264	Hoseman.
Edward Gallagher.....	22	Massachusetts.....	Teamster.....	265	Hoseman.
James Wilson.....	35	Sweden.....	Mariner... ..	266	Hoseman.
George Webb.....	34	Ireland.....	Boatman.....	267	Hoseman.

Appointment—Edward Gallagher, February 10, 1882.

Transfer—John H. Gillin, February 10, 1882, to Engine No. 2.

Injured at Fires—Thomas Forbes and James Wilson slightly injured, June 25, 1882.

## HOOK AND LADDER COMPANY No. 1.

LOCATION—NORTH SIDE O'FARRELL STREET, WEST OF DUPONT.

This Truck was built by the Kimball Manufacturing Company of this city. It is a first-class Hayes Patent Fire-Escape Truck. The number of ladders carried is nine, and also the usual equipments attached to Truck companies.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
J. J. McGorry.....	28	California.....	Cooper.....	167	Driver.
J. F. Dolan.....	28	Massachusetts....	Boxmaker.....	168	Tillerman.
MEMBERS AT CALL.					
A. Rissland.....	41	New York.....	Liquor dealer.....	166	Foreman.
R. S. Ray.....	44	New York.....	Carpenter.....	169	Asst Foreman
H. Quinn.....	41	Ireland.....	Boxmaker.....	171	Truckman.
Wm. Doyle.....	40	New York.....	Boilermaker.....	180	Truckman.
M. H. Hussey.....	35	New York.....	Clerk.....	175	Truckman.
W. Otto.....	27	Rhode Island.....	Painter.....	173	Truckman.
J. Crowley.....	38	Ireland.....	Stevedore.....	170	Truckman.
J. McGee.....	34	Australia.....	Clerk.....	174	Truckman.
M. McLaughlin ..	45	Ireland.....	Stevedore.....	179	Truckman.
J. E. Walton.....	24	California.....	Photographer.....	178	Truckman.
T. McCraith.....	24	California.....	Clerk.....	177	Truckman.
R. Otto.....	30	Rhode Island.....	Machinist.....	172	Truckman.
B. F. Currier.....	35	Massachusetts....	Clerk.....	176	Truckman.

November 10, 1881, George W. Smith, substitute driver, was thrown from the seat and killed, at the corner of Third and Howard streets, while responding to an alarm from Box 67.

April 10, 1882, J. F. Dolan, tillerman, was injured by being thrown from the tiller, while responding to an alarm from Box 25.

May 30, 1882, M. McLaughlin, extraman, was injured while working at a fire on the corner of Second and Howard streets—Box 54.

Resignations—John McLoughlin, E. W. Camp.

Appointments—John Thompson, J. J. McGorry, John Crowley.

Transfers—H. McCue, William Cunningham, T. W. Allen, J. Thompson, John Daly, John Harrigan.

## HOOK AND LADDER COMPANY No. 2.

LOCATION—SOUTH SIDE BROADWAY, BETWEEN DUPONT AND STOCKTON.

This Truck was built in 1877 by H. M. Black & Co. It is a first-class Hayes Patent Fire-Escape Truck. The number of ladders carried is nine, and the usual equipments attached to Truck companies.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Thomas Holden.....	32	New York.....	Teamster.....	194	Driver.
Pat. Fleming.....	30	California.....	Gasfitter.....	195	Tillerman.
MEMBERS AT CALL.					
John O'Brien.....	45	Ireland.....	Baker.....	181	Foreman.
Stephen A. McGrath ....	30	Boston.....	Porter.....	182	Asst Foreman
John Derham.....	34	New York.....	Clerk.....	186	Truckman.
Geo. E. Burr.....	39	England.....	Lamplighter.....	190	Truckman.
P. Louideck.....	54	France.....	Florist.....	187	Truckman.
W. Vaughn.....	30	California.....	Bagmaker.....	184	Truckman.
M. Hart.....	34	Massachusetts.....	Plumber.....	182	Truckman.
A. Meagher.....	26	California.....	Tinsmith.....	191	Truckman.
E. Mason.....	30	California.....	Teamster.....	188	Truckman.
T. Corrigan.....	28	California.....	Brass Finisher.....	185	Truckman.
E. Farrell.....	27	New York.....	Tinsmith.....	192	Truckman.
D. Sullivan.....	29	Ireland.....	Clerk.....	189	Truckman.
A. Florance.....	31	Louisiana.....	Clerk.....	193	Truckman.

## HOOK AND LADDER COMPANY No. 3.

LOCATION—SOUTH SIDE MARKET STREET, BET. TENTH AND ELEVENTH.

This Truck was built by Daniel D. Hayes, of this city. It is a third-class Hayes Patent Fire-Escape Truck. The number of ladders carried is nine, including one extension ladder, and also the usual equipments attached to a Truck Company.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
David Kerrigan.....	31	California.....	Teamster.....	221	Driver.
W. Gallatin.....	30	Pennsylvania.....	Plumber.....	222	Tillerman.
MEMBERS AT CALL.					
E. F. McKittrick.....	33	New York.....	Butcher.....	208	Foreman.
Wm. Waters.....	32	Australia.....	Painter.....	209	Asst Foreman
S. Appell.....	48	Germany.....	Speculator.....	210	Truckman.
Wm. Carew.....	34	Australia.....	Painter.....	211	Truckman.
F. Haskell.....	31	Alabama.....	Plumber.....	212	Truckman.
W. V. Carroll.....	36	New York.....	Butcher.....	213	Truckman.
J. E. Britt.....	25	New York.....	Plumber.....	214	Truckman.
M. Almeyer.....	50	Germany.....	Paper hanger.....	115	Truckman.
J. Jones.....	30	Massachusetts.....	Special Police.....	216	Truckman.
Wm. Mulcahy.....	36	Pennsylvania.....	Lamp lighter.....	217	Truckman.
G. Silvey.....	34	Louisiana.....	Mariner.....	218	Truckman.
E. Kennedy.....	35	England.....	Lamp lighter.....	219	Truckman.
P. Wessa.....	35	Germany.....	Butcher.....	220	Truckman.

Resignation—M. J. Frawley, June 15, 1882.

Appointment—Philip Wessa, June 15, 1882, extraman.

Transfers—George Silvey, tillerman, March 16, 1882, with W. Gallatin.

## HOOK AND LADDER COMPANY NO. 4.

LOCATION—NORTH SIDE PACIFIC STREET, BET. JONES AND LEAVENWORTH.

The Truck in use by this company was built by the Kimball Manufacturing Company, of this city.

NAMES.	AGE	NATIVITY.	OCCUPATION.	NO. OF BADGE	POSITION.
PERMANENT EMPLOYEES.					
Jas. J. Reilly.....	26	California.....	Teamster. ....	233	Driver.
Bartlett F. Jones.....	30	Connecticut.....	Tinsmith.....	234	Tillerman.
MEMBERS AT CALL.					
Jas. W. Kentzel.....	38	Pennsylvania .....	Gasfitter .....	232	Foreman.
G. E. Robinson .....	36	New York.....	Salesman .....	235	Asst Foreman
W. F. Porter.....	34	At Sea.....	Machinist.....	236	Truckman.
Jas. Horigan.....	27	California.....	Plumber.....	237	Truckman.
W. T. Redmond. ....	28	New Brunswick...	Tinsmith.....	238	Truckman.
Wm. Horigan .....	24	California.....	Plumber.....	239	Truckman.
L. Kenny .....	31	Louisiana .....	Bag sewer.....	240	Truckman.
J. P. McCaul .....	30	California.....	Carpenter.....	241	Truckman.
C. H. Mathews.....	29	California.....	Boxmaker .....	242	Truckman.
M. Fitzgerald .....	38	New York.....	Machinist .....	243	Truckman.
Abe. Kaskell.....	34	New York.....	Salesman .....	244	Truckman.
Joseph Fox .....	27	California.....	Coppersmith .....	245	Truckman.
Charles Wolf.....	26	California.....	Salesman .....	246	Truckman.

Transfers—P. Sullivan with W. T. Redmond, Truck No. 2.

## STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
1881.					
July 1....	2.28 a.m.	Still.	125 to 135 Post street.....	Unfinished.....	5 story brick.
" 2....	10.55 p.m.	32	18 and 20 Spear street.....	Machinery and pottery.....	1 story frame.
" 2....	" "	32	22 and 24 Spear street.....	Caulkers.....	1 story frame.
" 2....	" "	32	24½ Spear street.....	Saw works.....	1 story frame.
" 2....	" "	32	26 Spear street.....	Stable.....	2 story frame.
" 2....	" "	32	26 Spear street, rear.....	Tin shop.....	2 story frame.
" 2....	" "	32	21 and 23 Main street.....	Pickling establishment.....	3 story brick.
" 2....	11.00 "	15	21 and 23 Main street.....		
" 3....	11.00 a.m.	Still.	459 Bryant street.....	Dwelling.....	2 story frame.
" 3....	12.06 p.m.	9	1121 Kearny street.....	Dwelling.....	2 story frame.
" 3....	1.06 "	25	711 Jackson street.....	Chinese Dwelling.....	2 story brick.
" 3....	2.25 "	236	10 Twenty-sixth street.....	Dwelling.....	2 story frame.
" 3....	3.12 "	58	36 Baldwin Court.....	Dwelling.....	2 story frame.
" 3....	3.12 "	58	38 Baldwin Court.....	Dwelling.....	2 story frame.
" 3....	4.00 "	Still.	413 Clementina street.....	Dwelling and stable.....	3 story frame.
" 3....	4.54 "	128	1421 Sacramento street.....	Dwelling.....	1 story frame.
" 3....	10.54 "	48	Market and Geary.....	Book stand.....	1 story frame.
" 3....	11.45 "	74	Valencia street.....	Dwelling.....	2 story frame.
" 4....	4.21 a.m.	Still.	242 Minna street.....	Dwelling.....	2 story frame.
" 4....	1.15 "	"	425 Clementina street.....	Dwelling.....	2 story frame.
" 4....	1.45 "	25	723 Jackson street.....	Chinese Dwelling.....	2 story brick.
" 4....	8.46 "	8	613 Green street.....	Church.....	1 story frame.
" 4....	8.46 "	8	615 Green street.....	Dwelling.....	2 story frame.
" 4....	9.35 "	78	219½ Ninth street.....	Dwelling.....	2 story frame.
" 4....	10.00 "	Still.	206 Eleventh street.....	Dwelling.....	1 story frame.
" 4....	11.00 "	"	309 Waller street.....	Dwelling.....	2 story frame.
" 4....	11.15 "	"	213 Clara street.....	Dwelling.....	2 story frame.
" 4....	11.30 "	"	1621 Larkin street.....	Unoccupied.....	2 story frame.
" 4....	12.00 m.	"	Brannan street.....	Stable.....	2 story frame.
" 4....	12.30 p.m.	"	Natoma and Mary.....	Dwelling.....	2 story frame.
" 4....	12.46 "	157	753 and 757½ Folsom street.....	Dwelling.....	3 story frame.
" 4....	12.46 "	157	757 Folsom street.....	Dwelling.....	2 story frame.
" 4....	12.30 "	Still.	166 and 166½ Clara street.....	Dwelling.....	2 story frame.
" 4....	1.55 "	"	931 Mission street.....	Carpenter shop.....	1 story frame.
" 4....	2.26 "	42	212 and 214 O'Farrell street.....	Lodging house.....	3 story frame.
" 4....	2.26 "	42	216 O'Farrell street.....	Dwelling.....	2 story frame.
" 4....	4.02 "	Still.	California Avenue.....	Dwelling.....	2 story frame.
" 4....	4.24 "	63	152 Clara Street.....	Dwelling.....	2 story frame.
" 4....	5.26 "	Still.	646 Mission street.....	Dwelling.....	2 story frame.
" 4....	7.52 "	"	540 Mission street.....	Dwelling.....	2 story frame.
" 4....	8.09 "	175	924 Fell street.....	Dwelling.....	1 story frame.
" 4....	8.30 "	139	719 Geary street.....	Dwelling.....	2 story frame.
" 4....	10.02 "	95	18 Taylor street.....	Dwelling.....	3 story frame.
" 4....	10.15 "	Still.	48 to 54 Second street.....	Lodging house.....	3 story brick.
" 4....	10.20 "	42	313 Mason street.....	Dwelling.....	2 story frame.
" 4....	10.25 "	Still.	4 and 6 Langton street.....	Dwelling.....	2 story frame.
" 4....	10.30 "	"	1213 Green street.....	Dwelling.....	2 story frame.
" 4....	11.00 "	"	Minna street.....	Church.....	2 story frame.
" 4....	11.00 "	"	228 Eleventh street.....	Wood shed.....	1 story frame.
" 4....	11.30 "	"	25 Clementina street.....	Dwelling.....	2 story frame.
" 5....	1.10 a.m.	236	California Avenue.....	Dwelling.....	2 story frame.
" 5....	1.10 "	236	California Avenue.....	Dwelling.....	2 story frame.
" 5....	4.35 "	125	1108 Filbert street.....	Dwelling.....	1 story frame.
" 5....	8.59 "	361	229 Valencia street.....	Stable.....	3 story frame.
" 5....	11.15 "	Still.	Pacific and Leavenworth.....	Dwelling and grocery.....	2 story frame.
" 5....	12.12 p.m.	153	12 and 12½ Langton street.....	Dwelling.....	1 story frame.
" 6....	10.00 a.m.	Still.	22 Second street.....	Book store.....	2 story frame.
" 6....	10.20 "	142	1912 Stevenson street.....	Dwelling.....	2 story frame.
" 6....	1.13 p.m.	36	Folsom and Spear.....	Coal.....	Coal.....
" 6....	7.27 "	62	109 Fourth street.....	Florist.....	2 story frame.
" 6....	10.19 "	19	Commercial and Davis.....	Cooper shop, etc.....	1 story frame.
" 7....	1.58 a.m.	85	538 Hayes street.....	Lodging house and saloon.....	2 story frame.
" 7....	4.00 p.m.	39	Howard and Main.....	Straw.....	Straw.....
" 9....	2.15 "	173	Ellis and Buchanan.....		
" 9....	5.09 "	Still.	217 Market street.....	Straw.....	Straw.....
" 10....	3.27 a.m.	128	Priest street.....	Unoccupied.....	2 story frame.
" 10....	11.20 p.m.	92	739 Golden Gate Avenue.....	St ble.....	2 story frame.
" 11....	10.57 a.m.	71	1428 Mission street.....	Pitch kettle.....	

## STATEMENT OF FIRES AND ALARMS.

39

FOR THE YEAR ENDING JUNE 30, 1882.

CAUSE.	OWNER OR OCCUPANT.	LOS.	INSUR- ANCE.	PAID.
Tinker's furnace.....	C. Crocker.....	\$100 00		
Fireworks.....	J. Neylou.....	480 00	\$1,500 00	\$180 00
Fireworks.....	S. S. Smith.....	7,562 29	6,500 00	6,762 29
Fireworks.....	American Saw Co.....	1,500 00	4,100 00	1,400 00
Fireworks.....	Cutting & Co.....	66 00	350 00	66 00
Fireworks.....	Cutting & Co.....	233 00	750 00	233 00
Fireworks.....	Cutting & Co.....	90 00	1,000 00	90 00
Second alarm.....				
Fireworks.....	D. E. Roethe.....	2 50	3,000 00	2 50
Fireworks.....	T. Hayward.....	150 00	3,000 00	100 00
Fireworks.....	J. Martel.....	5 00		
Fireworks.....	M. Joost.....	45 00	1,500 00	35 00
Fireworks.....	M. Connolly.....	275 00		
Fireworks.....	Hibernia Bank.....	150 00		
Fireworks.....	J. McCarthy.....	6 00	300 00	6 00
Fireworks.....	M. McDuff.....	100 00	1,500 00	100 00
Fireworks.....	J. C. Scott.....	1,600 00		
Fireworks.....	E. Judson.....	25 00		
Fireworks.....	P. D. Burns.....	6 00	1,400 00	6 00
Fireworks.....	L. Walsh.....	4 00	1,700 00	4 00
Fireworks.....	Ah You.....	5 00		
Fireworks.....	Fourth Congregational.....	1,850 00	4,000 00	1,633 00
Fireworks.....	J. Block.....	400 00	5,500 00	400 00
Fireworks.....	J. Johnson.....	9 00	2,000 00	9 00
Fireworks.....	John Hayes.....	2 50	600 00	2 50
Fireworks.....	E. M. Hooper.....	12 00	1,200 00	12 00
Fireworks.....	W. Schoelton.....	5 00	2,500 00	5 00
Fireworks.....	J. Ganron.....	12 00	3,333 33	12 00
Fireworks.....	J. Smith.....	25 00		
Fireworks.....	M. A. Maynes.....	6 00	15 00	6 00
Fireworks.....	R. Barton.....	560 00	1,000 00	430 00
Fireworks.....	M. Lonergan.....	25 00	2,000 00	25 00
Fireworks.....	I. Lander.....	4 00	400 00	4 00
Fireworks.....	J. J. Meyer.....	25 00		
Fireworks.....	M. Hayes.....	450 00	4,600 00	200 00
Fireworks.....	W. Winter.....	174 50	1,200 00	174 50
Fireworks.....	W. Dugan.....	17 00	1,000 00	17 00
Fireworks.....	E. Hogan.....	325 00	500 00	225 00
Fireworks.....	A. McCarthy.....	25 00		
Fireworks.....	L. Tevis.....	10 00	1,500 00	10 00
Incendiary.....	N. Morris.....	102 00	2,300 00	60 00
Fireworks.....	G. H. Wilcox.....	25 00		
Fireworks.....	R. Jordan.....	25 00		
Upsetting coal oil lamp.....	Hibernia Bank.....	25 40	10,500 00	25 40
Fireworks.....	J. Riordan.....	2 50	1,200 00	2 50
Fireworks.....	P. Plover.....	45 50	1,200 00	48 50
Fireworks.....	J. Henderson.....	4 00	2,000 00	4 00
Fireworks.....	Jewish Synagogue.....	15 00	3,500 00	15 00
Fireworks.....	John Hayes.....	1 00		
Fireworks.....	M. Dougherty.....	2 50	1,500 00	2 50
Fireworks.....	H. Housman.....	116 00	2,500 00	116 00
Fireworks.....	L. Segar.....	11 00	1,000 00	11 00
Unknown.....	J. Perata.....	45 00	3,500 00	45 00
Fireworks.....	J. Dedden.....	40 00		
Fireworks.....	M. Dunn.....	11 00	1,500 00	11 00
Fireworks.....	M. McLoughlan.....	5 00	2,300 00	5 00
Fireworks.....	J. C. Scott.....	122 00	2,000 00	122 00
Sparks from chimney.....	F. Kessler.....	90 00	1,600 00	90 00
Spontaneous combustion.....	A. Summerville.....	10 00		
Gaslight.....	B. Wolf.....	150 00	750 00	150 00
Unknown.....	Deming & Palmer.....	1,380 25	550 00	235 25
Sparks from chimney.....	E. Deadda.....	627 55	7,250 00	627 55
False.....	Unknown.....	1 00		
Carelessness with pipe.....	Unknown.....	50 00		
Carelessness with matches.....	J. Lochhart.....	1,000 00		
Carelessness with matches.....	S. Jacob.....	80 00	3,700 00	80 00
Defective furnace.....	W. Fredericks.....	10 00		

## STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED	STYLE.
1881.					
July 11....	11.29 a.m.	163	1101 California street.....	Dwelling.....	3 story frame.
" 12....	2.29 p.m.	142	629 Nineteenth street.....	Saloon.....	2 story frame.
" 14....	7.32 "	39	141 Beale street.....	Pool factory.....	1 story frame.
" 14....	7.32 "	39	143 and 145 Beale street....	Dwelling.....	2 story frame.
" 15....	6.56 "	87	224 Haight street.....	Dwelling.....	2 story frame.
" 15....	7.00 "	Still.	731 Bush street.....	Dwelling.....	2 story frame.
" 17....	8.35 a.m.	283	Geary and Larkin.....	Dwelling and grocery.....	2 story frame.
" 17....	8.35 "	283	839 Geary street.....	Dwelling and butcher.....	2 story frame.
" 17....	11.50 "	58	236 Fremont street.....	Planing mill.....	2 story frame.
" 17....	11.50 "	58	238 Fremont street.....	Dwelling.....	2 story frame.
" 19....	11.38 p.m.	71	64½ Mission street (west)....	Dwelling and broom factory..	2 story frame.
" 19....	11.38 "	71	47 Mission street (west)....	Dwelling and wood yard....	2 story frame.
" 19....	11.38 "	71	62½ Mission street (west)....	Dwelling and grocery.....	2 story frame.
" 19....	11.38 "	71	1624 Mission street.....	Carriage factory.....	2 story frame.
" 19....	11.38 "	71	1626 Mission street.....	Dwelling.....	2 story frame.
" 21....	8.24 "	34	Mission Street Wharf.....	Vessel.....	Vessel.....
" 23....	9.35 "	29	611 Stockton Street.....	Dwelling.....	3 story frame.
" 23....	9.35 "	29	613 and 613½ Stockton St....	Dwelling and school.....	3 story frame.
" 25....	5.12 "	24	1006 Clay street.....	Lodging house.....	3 story frame.
" 26....	11.21 "	47	23 Ellis street.....	Dwelling.....	2 story frame.
" 28....	8.12 "	36	403 Spear street.....	Dwelling and restaurant....	2 story frame.
" 29....	7.02 "	65	Stevenson street.....	Dwelling.....	2 story frame.
" 30....	5.23 a.m.	234	Alabama street.....	Dwelling.....	2 story frame.
" 30....	5.23 "	234	Alabama street.....	Stable.....	1 story frame.
" 30....	5.23 "	234	Columbia street.....	Church.....	1 story frame.
" 31....	11.38 "	91	44 Golden Gate avenue.....	Dwelling.....	2 story frame.
" 31....	11.40 p.m.	Still.	Union and Ward.....	Dwelling.....	1 story frame.
Aug. 3....	1.35 a.m.	61	Everett and Third (N.W.)....	Grocery.....	1 story frame.
" 5....	3.39 p.m.	39	Howard and Spear.....	Dwelling and saloon.....	2 story frame.
" 5....	3.39 "	39	137 Spear street.....	Rigger's loft.....	2 story frame.
" 5....	3.39 "	39	139 Spear street.....	Dwelling and stable.....	2 story frame.
" 5....	3.39 "	39	26 Mission street.....	Dwelling and rigger's loft..	2 story frame.
" 7....	2.48 "	281	Nebraska street.....	Dwelling.....	2 story frame.
" 10....	8.35 "	84	75 Brady street.....	Dwelling.....	1 story frame.
" 10....	8.35 "	84	77 Brady street.....	Dwelling and grocery.....	1 story frame.
" 10....	11.00 "	Still.	243 Clara street.....	Dwelling.....	3 story frame.
" 12....	12.19 a.m.	47	4 Eddy place.....	Dwelling.....	2 story frame.
" 15....	4.20 "	94	632 Eddy street.....	Dwelling.....	2 story frame.
" 15....	4.20 "	94	634 Eddy street.....	Dwelling.....	2 story frame.
" 15....	4.20 "	94	Eddy and Polk (N.E.).....	Church.....	1 story frame.
" 15....	4.20 "	94	39 Willow avenue.....	Dwelling.....	2 story frame.
" 15....	4.20 "	94	39 Willow avenue.....	Stable.....	1 story frame.
" 15....	4.20 "	94	Eddy and Polk (N.W.).....	Dwelling and store.....	2 story frame.
" 15....	9.26 p.m.	26	411 Clay street.....	Printing office.....	2 story brick.
" 16....	3.17 "	Still.	38 First street.....	Dwelling.....	2 story frame.
" 16....	6.59 "	39	110 Main street.....	Blacksmith.....	1 story frame.
" 16....	6.59 "	39	112 Main street.....	Junk store.....	3 story frame.
" 16....	6.59 "	39	112 Main street (rear).....	Stable.....	1 story frame.
" 16....	6.59 "	39	112 Main street (rear).....	Office.....	2 story frame.
" 16....	8.40 "	Still.	1121 Bush street.....	Dwelling.....	2 story frame.
" 16....	9.02 "	153	236 Langton street.....	Dwelling.....	2 story frame.
" 16....	9.30 "	Still.	336 Shipley street.....	Dwelling.....	2 story frame.
" 18....	4.20 a.m.	74	3009 & 3011 Sixteenth street	Laundry.....	3 story frame.
" 18....	4.20 "	74	3015 Sixteenth street.....	Dwelling.....	2 story frame.
" 20....	8.10 p.m.	194	3408 Mason street.....	Stable and wood yard....	2 story frame.
" 20....	8.10 "	194	Mason and Francisco.....	Dwelling and grocery.....	2 story frame.
" 21....	7.45 "	Still.	231 First street.....	Dwelling.....	2 story frame.
" 22....	3.30 a.m.	Still.	617 Broadway street.....	Dwelling.....	2 story brick.
" 22....	4.40 "	25	921 Dupont street (rear)....	Chinese dwelling.....	3 story brick.
" 22....	4.40 "	25	4 to 10 Stout alley.....	Chinese dwelling and store..	3 story brick.
" 22....	5.04 p.m.	64	446 Natoma street.....	Dwelling.....	2 story frame.
" 22....	11.37 "	236	Twenty-ninth street.....	Dwelling.....	2 story frame.
" 25....	4.05 "	125	Dupont street.....	Dwelling.....	3 story brick.
" 25....	9.47 "	227	2020 Polk street.....	Wagon and paint shop....	1 story frame.
" 25....	10.00 "	Still.	1610 California street.....	Dwelling.....	2 story frame.
" 27....	7.30 a.m.	41	Sutter and Jones.....	Boarding house.....	2 story frame.
" 27....	11.19 p.m.	261	42 Ecker street.....	Boarding house.....	2 story frame.
" 28....	11.30 "	Still.	Broadway and Montgomery	Boarding house.....	3 story frame.



## STATEMENT OF FIRES AND ALARMS.

41

FOR THE YEAR ENDING JUNE 30, 1882—CONTINUED.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSUR- ANCE.	PAID.
Bonfire.....				
Chimney.....	J. W. Harold.....			
Defective forge.....	G. K. Fitch.....	\$150 00		
Defective forge.....	J. Weichhart.....	150 00	\$1,500 00	\$150 00
Chimney.....	Unknown.....			
Gaslight.....	R. D. W. Davis.....	35 00	7,000 00	35 00
Ashes.....	J. Moylan.....	100 00	1,500 00	
Ashes.....	Meyer.....	58 00	1,000 00	8 00
Upsetting coal oil lamp.....	Fulda Bros.....	25 00	915 00	25 00
Upsetting coal oil lamp.....	Bridget Dasey.....	30 00		
Supposed carelessness with cigar.....	C. Clunz.....	250 00		
Supposed carelessness with cigar.....	J. W. Hamerton.....	1,025 00	600 00	460 00
Supposed carelessness with cigar.....	F. Bateman.....	395 00	1,000 00	395 00
Supposed carelessness with cigar.....	— Quitchler.....	12 50	500 00	12 50
Supposed carelessness with cigar.....	J. Hayes.....	42 50	300 00	42 30
Explosion of coal oil lamp.....	E. Freeman.....	200 00		
Carelessness with candle.....	J. Bergerot.....	30 00	3,000 00	30 00
Carelessness with candle.....	J. Bergerot.....	1,295 00	4,800 00	685 00
Defective stove-pipe.....	E. Kenedy.....	25 00	4,000 00	20 00
Sparks from chimney.....	M. A. Green.....	15 00	1,156 00	15 00
Explosion of coal oil lamp.....	H. H. D. Haase.....	329 00	1,650 00	329 00
Chimney.....	Unknown.....			
Unknown.....	J. S. Alemany.....	20 00	3,400 00	20 00
Unknown.....	J. S. Alemany.....	550 00	100 00	100 00
Unknown.....	J. S. Alemany.....	127 00	3,500 00	127 00
Children with matches.....	J. M. Pike.....	136 50	8,500 00	136 50
Incendiary.....	D. P. Burns.....	850 00	1,000 00	800 00
Explosion of coal oil lamp.....	D. Steffens.....	843 50	2,500 00	693 50
Children with matches.....	Madel & Maskew.....	470 00	1,900 00	470 00
Children with matches.....	W. R. Green.....	15 00		
Children with matches.....	Madel & Maskew.....	350 00		
Children with matches.....	W. R. Green.....	75 00	1,500 00	75 00
Unknown.....	J. Mains.....	711 50	1,700 00	149 00
Explosion of coal oil lamp.....	D. S. Cartwright.....	35 00	600 00	35 00
Explosion of coal oil lamp.....	D. O'Connor.....	375 00	600 00	375 00
Defective chimney.....	M. E. Tucker.....	84 00	1,000 00	32 00
Explosion of coal oil lamp.....	M. Rosenthal.....	100 00	875 00	100 00
Unknown.....	P. Kerns.....	850 00	3,333 33 1/3	800 00
Unknown.....	W. F. Morrison.....	1,787 00	1,300 00	1,087 00
Unknown.....	W. F. Morrison.....	5,035 00	4,000 00	3,700 00
Unknown.....	C. Carpenter.....	777 00	800 00	527 00
Unknown.....	C. Carpenter.....	150 00		
Unknown.....	W. Sharon.....	100 00		
Fumes from benzine.....	Howard.....	10 00		
Children with matches.....	A. Gaffney.....	10 00		
Spontaneous combustion.....	J. C. Jung.....	400 00		
Spontaneous combustion.....	A. Waugh & Co.....	12,000 00	4,500 00	4,500 00
Spontaneous combustion.....	A. Waugh & Co.....	1,200 00		
Spontaneous combustion.....	A. Waugh & Co.....	500 00		
Carelessness with matches.....	J. Landers.....	343 00	13,000 00	343 00
Defective chimney.....	T. Haley.....	20 00	500 00	20 00
Spontaneous combustion.....	H. R. Clark.....	7 50	2,000 00	7 50
Defective furnace.....	S. May.....	3,025 00	6,125 00	2,625 00
Defective furnace.....	C. T. Hornung.....	25 00		
Unknown.....	J. Everding.....	290 00	500 00	190 00
Unknown.....	J. Everding.....	10 00	1,000 00	10 00
Defective stove.....	C. Meyer.....	150 00	600 00	125 00
Upsetting coal oil lamp.....	R. C. Johnson.....	75 00	2,750 00	
Defective range.....	M. Crooks.....	2,000 00	600 00	10 00
Defective range.....	Ah Fook.....	6,465 25	3,700 00	4,915 25
Chimney.....				
Explosion of coal oil lamp.....	W. C. Hamberton.....	1,300 00	1,000 00	802 50
Chimney.....	Chinese.....			
Defective stove.....	D. Selba.....	350 00		
Sparks from chimney.....	P. Clement.....	35 00	1,000 00	35 00
False.....				
Carelessness with candle.....	G. Sedel.....	381 00	1,600 00	381 00
Carelessness with candle.....	A. Drucker.....	50 00	8,000 00	

## STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
1881.					
Aug. 29....	12 17 "	46	207 and 209 Sutter street..	Variety store.....	4 story brick.
" 30....	2 49 a.m.	26	406 and 408 Battery street..	Chinese cigar factory.....	2 story brick.
" 31....	2 09 "	42	417 Mason street (rear)....	Dwelling.....	3 story frame.
" 31....	1 45 p.m.	Still.	1 Chatham place.....	Dwelling.....	2 story frame.
Sept. 1....	11 35 a.m.	281	Yolo street.....	Stable.....	1 story frame.
" 1....	8 00 p.m.	Still.	Hampshire & Twen'y-fourth	Dwelling.....	1 story frame.
" 2....	7 44 "	153	313 Seventh street.....	Grocery.....	2 story frame.
" 2....	8 00 "	Still.	County road.....	Dwelling.....	1 story frame.
" 5....	9 34 a.m.	"	515 Market street.....	Fancy goods.....	3 story brick.
" 6....	7 13 p.m.	48	Geary and Stockton.....	Drug store.....	3 story brick.
" 7....	1 00 a.m.	142	Twentieth street.....	Dwelling.....	1 story frame.
" 7....	7 16 p.m.	238	Eutaw street.....	Dwelling and soap factory..	1 story frame.
" 7....	7 16 "	238	Eutaw street.....	Dwelling.....	1 story frame.
" 8....	4 14 "	37	Stevenson street.....	".....	".....
" 9....	11 01 a.m.	75	McAllister street.....	Dwelling.....	2 story frame.
" 9....	1 56 p.m.	68	129 Welch street.....	Dwelling.....	2 story frame.
" 13....	2 07 "	194	2011 Dupont street.....	Dwelling.....	3 story frame.
" 14....	12 02 a.m.	25	819 Washington street.....	Chinese dwell'g & shoe fact'y.	3 story brick.
" 18....	6 57 p.m.	26	407 to 411 Commer'l st. (rear)	Chinese shoe factory.....	2 story frame.
" 18....	10 18 "	139	O'Farrell and Larkin.....	Stores.....	1 story frame.
" 18....	10 18 "	139	808 O'Farrell street.....	Unoccupied.....	2 story frame.
" 20....	6 55 "	62	765 Mission street.....	Packing establishment.....	3 story brick.
" 20....	7 01 "	25	Sullivan alley.....	Chinese dwelling.....	3 story brick.
" 20....	8 00 "	Still.	Geary and Taylor.....	Dwelling.....	2 story frame.
" 21....	12 08 a.m.	49	Sutter and Powell.....	Armory and wood yard.....	2 story frame.
" 22....	9 53 "	48	636 Market street.....	Kitchen.....	1 story frame.
" 22....	3 41 p.m.	158	937 Folsom street.....	Dwelling and laundry.....	2 story frame.
" 22....	3 41 "	158	939 Folsom street.....	Dwelling and laundry.....	2 story frame.
" 25....	12 04 a.m.	156	Townsend and Third.....	Warehouse.....	1 story brick.
" 25....	3 56 p.m.	9	729 Green street (rear)....	Dwelling.....	2 story frame.
" 25....	3 56 "	9	733 Green street (rear)....	Dwelling.....	2 story frame.
" 29....	10 02 a.m.	326	2515 Post street (rear)....	Stable.....	1 story frame.
" 29....	10 02 "	326	2517 Post street (rear)....	Stable.....	1 story frame.
" 29....	8 36 p.m.	31	Sansome street.....	".....	".....
Oct. 1....	1 20 a.m.	241	Bush and Cough.....	Fence.....	Fence.....
" 1....	1 25 p.m.	5	Front street.....	Sidewalk.....	Sidewalk.....
" 3....	7 12 "	16	5 Saluon alley.....	Dwelling.....	2 story frame.
" 3....	8 25 "	3	1818 Dupont street.....	Dwelling.....	2 story frame.
" 6....	10 57 "	14	728 Pacific street.....	Chinese shoe factory.....	2 story frame.
" 6....	10 57 "	14	730 Pacific street.....	Chinese cigar factory.....	2 story frame.
" 6....	10 57 "	14	732 Pacific street.....	Chinese cigar factory.....	2 story frame.
" 6....	10 57 "	14	Pacific and Stockton.....	Lodging house & dry goods..	3 story brick.
" 7....	7 59 "	86	10 Franklin street.....	Dyeing establishment.....	2 story frame.
" 9....	3 24 a.m.	19	619 and 621 East street....	Coal yard and store house..	1 story frame.
" 9....	6 20 p.m.	9	1323 Dupont street.....	Dwelling.....	3 story frame.
" 11....	6 36 "	17	Jackson and Kearny.....	Lodging house.....	3 story brick.
" 12....	2 55 "	19	29 Pacific street.....	Dwelling and saloon.....	2 story frame.
" 12....	2 55 "	19	32 Pacific street.....	Dwelling and cigar store..	2 story frame.
" 12....	2 55 "	19	35 Pacific street.....	Boarding house.....	2 story frame.
" 12....	2 55 "	19	37 Pacific street.....	Boarding house.....	2 story frame.
" 13....	2 55 "	19	Clark street.....	Stable.....	2 story frame.
" 13....	2 47 a.m.	19	Clark street.....	Stable.....	2 story frame.
" 13....	8 34 "	39	Howard and Spear.....	Planing mill.....	2 story frame.
" 13....	11 45 a.m.	17	145 Montgomery avenue....	Carpenter's shop.....	1 story frame.
" 13....	2 00 p.m.	Still.	24 Minna street.....	Dwelling.....	2 story frame.
" 12....	3 25 "	39	Howard and Spear.....	Dwelling and saloon.....	2 story frame.
" 13....	3 25 "	39	139 Spear street.....	Rigger's loft.....	1 story frame.
" 13....	3 25 "	39	137 Spear street.....	Rigger's loft.....	2 story frame.
" 13....	3 25 "	39	135 Spear street.....	Dwelling.....	2 story frame.
" 13....	3 25 "	39	133 Spear street.....	Blacksmith.....	1 story frame.
" 13....	3 25 "	39	131 Spear street.....	Dwelling.....	2 story frame.
" 13....	3 25 "	39	127 and 129 Spear street..	Lumber office and yard.....	1 story frame.
" 13....	3 25 "	39	125 Spear street.....	Lumber office and yard.....	1 story frame.
" 13....	3 25 "	39	Spear and Howard.....	Planing mill.....	2 story frame.
" 13....	3 25 "	39	Spear and Howard (rear)...	Stable.....	2 story frame.
" 13....	3 25 "	39	126 Spear street.....	Unoccupied.....	2 story frame.
" 13....	3 25 "	39	124 Spear street.....	Lumber yard.....	2 story frame.
" 13....	3 25 "	39	212 Spear street.....	Dwelling and shoe store....	2 story frame.

## STATEMENT OF FIRES AND ALARMS.

43

FOR THE YEAR ENDING JUNE 30, 1882—CONTINUED.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSUR- ANCE.	PAID.
Supposed sparks from chimney.....	B. & J. S. Doe.....	\$13,000 00	\$147,500 00	\$13,000 00
Carelessness with cigar.....	Frank & Son.....	300 00	15,000 00	300 00
Sparks from chimney.....	A. Borel.....	47 00	3,400 00	47 00
Defective chimney.....	W. B. Swain.....	225 00	3,400 00	225 00
Children with matches.....	J. McKenna.....	500 00		
Defective chimney.....	J. Scanlon.....	50 00	400 00	50 00
Upsetting coal oil lamp.....	E. Cassidy.....	125 00	3,500 00	125 00
Boiling over of fat.....	A. Barron.....	700 00	1,000 00	700 00
Upsetting coal oil lamp.....	Lobe & Selinger.....	10 00	6,500 00	
Explosion of alcohol.....	M. Verdet.....	9,400 00	18,000 00	6,400 00
Defective chimney.....	J. McLoughlin.....	550 00	750 00	400 00
Defective stove-pipe.....	M. Welsh.....	460 00	700 00	460 00
Defective stove-pipe.....	P. R. Winter.....	122 86	650 00	122 86
False.....				
Chimney.....	Unknown.....			
Defective chimney.....	P. Featherstone.....	94 00	1,250 00	79 00
Sparks from chimney.....	L. F. Hammer.....	30 00	1,000 00	30 00
Explosion of coal oil lamp.....	B. Blakeley.....	175 00	8,450 00	25 00
Defective range.....	E. T. Anthony.....	165 00	8,800 00	40 00
Unknown.....	Allyne & White.....	3,820 85	9,600 00	3,820 85
Unknown.....	Luderman Bros.....	80 00	1,000 00	80 00
Upsetting coal oil lamp.....	D. McLea.....	450 00	5,000 00	250 00
Explosion of coal oil lamp.....	Wong Chock.....	175 00	3,400 00	
Sparks from chimney.....	L. Shilling.....	30 00	3,000 00	30 00
Carelessness with cigar.....	J. Lambla.....	260 00	10,750 00	260 00
Defective range.....	A. E. Swain.....	10 00		
Defective chimney.....	J. Rosenthal.....	225 00	1,500 00	125 00
Defective chimney.....	S. Michael.....	415 00		
Supposed spontaneous combustion.....	J. G. Kittle.....	61,908 83	242,300 00	42,281 97
Children with matches.....	F. McGlynn.....	185 00	1,000 00	150 00
Children with matches.....	D. Scarl.....	25 00		
Children with matches.....	Thomas Stone.....	450 00	200 00	182 25
Children with matches.....	William Doolan.....	650 00	200 00	200 00
False.....				
Ashes.....	R. W. Murphy.....	5 00		
Carelessness with cigar.....	City.....	5 00		
Chimney.....	Unknown.....			
Explosion of coal oil lamp.....	P. Ducker.....	25 00		
Defective range.....	Sam Wo.....	5 00	800 00	5 00
Defective range.....	S. M. Blumberg.....	800 00	500 00	400 00
Defective range.....	Main Fook.....	110 00	1,000 00	60 00
Defective range.....	W. H. Aldrich.....	270 00	27,500 00	270 00
Defective chimney.....	J. F. Snow.....	90 00	1,000 00	40 00
Spontaneous combustion.....	Dunsmuir & Co.....	200 00		
Explosion of coal oil stove.....	A. Ulm.....	75 00		
Explosion of coal oil lamp.....	H. H. Ralston.....	135 40	15,000 00	135 00
Drunkenness.....	A. C. Whitcomb.....	325 00		
Drunkenness.....	A. C. Whitcomb.....	575 00		
Drunkenness.....	A. C. Whitcomb.....	450 00		
Drunkenness.....	George Roebin.....	305 00	2,000 00	130 00
Drunkenness.....	Dohrman & Co.....	40 00	300 00	40 00
Rekindling.....				
Sparks from smoke-stack.....	W. J. Adams.....	10 00		
Carelessness with cigar.....	J. F. Jaques.....	25 00		
Defective chimney.....	N. Clayhan.....	25 00	1,000 00	25 00
Children with matches.....	Madel & Moscow.....	5,075 00	1,605 00	1,605 00
Children with matches.....	W. R. Green.....	400 00		
Children with matches.....	W. R. Green.....	550 00	400 00	400 00
Children with matches.....	John Clark.....	2,000 00	400 00	400 00
Children with matches.....	Madel & Moscow.....	725 00	500 00	475 00
Children with matches.....	Madel & Moscow.....	1,000 00		
Children with matches.....	J. Wigmore.....	37,988 68	25,000 00	24,171 13
Children with matches.....	R. K. Pattridge.....	100 00	600 00	100 00
Children with matches.....	W. J. Adams.....	50,700 00	18,000 00	18,000 00
Children with matches.....	W. J. Adams.....	500 00		
Children with matches.....	W. J. Adams.....	500 00		
Children with matches.....	Union Box Co.....	2,000 00		
Children with matches.....	G. Mosbacher.....	50 00	1,000 00	50

## STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
1881.					
Oct. 13....	3.25 "	39	217 to 225 Spear street....	Planing mill.....	2 story frame.
" 13....	3.25 "	39	132 Main street.....	Canning establishment.....	3 story frame.
" 13....	3.25 "	39	135 Main street.....	Machine shop.....	2 story frame.
" 13....	3.25 "	39	26 Howard street.....	Dwelling and rigger's loft.....	3 story frame.
" 13....	3.25 "	39	24 Howard street.....	Dwelling and carpenter shop.....	3 story frame.
" 13....	3.25 "	39	22 Howard street.....	Dwelling and Grocery.....	2 story frame.
" 13....	3.25 "	39	18 Howard street.....	Office and store house.....	2 story frame.
" 13....	3.25 "	39	120 Howard street.....	Dwelling and rigger's loft.....	3 story frame.
" 13....	3.25 "	39	120 Howard street (rear)....	Dwelling.....	2 story frame.
" 13....	3.25 "	39	Howard and Spear.....	Lumber office.....	1 story frame.
" 13....	3.25 "	39	19 Howard street.....	Store house.....	2 story frame.
" 13....	3.25 "	39	17 Howard street.....	Dwelling.....	2 story frame.
" 13....	3.25 "	39	Howard and Spear.....	Lumber office and yard.....	1 story frame.
" 13....	3.25 "	39	Green's court.....	Dwelling.....	2 story frame.
" 13....	3.25 "	39	Green's court.....	Dwelling.....	2 story frame.
" 13....	3.25 "	39	Green's court.....	Dwelling.....	2 story frame.
" 13....	3.25 "	39	Green's court.....	Dwelling.....	2 story frame.
" 13....	3.25 "	39	Green's court.....	Dwelling.....	3 story frame.
" 13....	3.25 "	39	206 Steuart street.....	Boarding house.....	2 story frame.
" 13....	3.25 "	39	215 Steuart street.....	Dwelling and shoe store.....	2 story frame.
" 13....	3.25 "	39	Steuart street.....	Lumber yard.....	Lumber.....
" 13....	3.35 "	39	Steuart street.....	Lumber yard.....	Lumber.....
" 13....	3.48 "	36	Steuart street.....	Lumber yard.....	Lumber.....
" 13....	5.05 "	56	Frederick street.....	Dwelling.....	2 story frame.
" 13....	10.51 "	194	1905 Dupont street.....	Dwelling.....	2 story frame.
" 13....	10.51 "	194	1909 Dupont street.....	Dwelling.....	2 story frame.
" 13....	10.51 "	194	1911 Dupont street.....	Dwelling.....	2 story frame.
" 14....	11.01 a.m.	62	Howard and Fourth.....	Lodging house and stores.....	2 story frame.
" 14....	5.45 p.m.	Still.	130 Kearny street.....	Dry good store.....	4 story brick.
" 15....	12.52 "	13	304 Pacific street.....	Dwelling and saloon.....	2 story frame.
" 15....	12.52 "	13	306 and 308 Pacific street.....	Boarding house.....	2 story frame.
" 15....	12.52 "	13	310 Pacific street.....	Chinese cigar factory.....	2 story frame.
" 15....	12.52 "	13	312 Pacific street.....	Dwelling.....	1 story frame.
" 15....	12.52 "	13	314 Pacific street.....	Boarding house.....	3 story frame.
" 15....	12.52 "	13	316 Pacific street.....	Chinese laundry.....	2 story frame.
" 15....	3.30 a.m.	Still.	Wayne street.....	Dwelling.....	1 story frame.
" 15....	6.11 "	13	Pacific street.....	Dwelling.....	2 story frame.
" 15....	10.20 "	24	1003 Powell street.....	Dwelling.....	3 story frame.
" 15....	5.00 p.m.	Still.	726 Green street.....	Dwelling.....	3 story frame.
" 16....	5.38 a.m.	67	24 Hawthorne street.....	Unoccupied.....	2 story frame.
" 16....	3.04 p.m.	34	17 and 19 Spear street.....	Coal yard.....	1 story frame.
" 16....	3.04 "	34	21 and 23 Spear street.....	Hay barn.....	1 story frame.
" 16....	3.04 "	34	25 and 27 Spear street.....	Lumber yard.....	Lumber.....
" 16....	3.04 "	34	24 and 26 Steuart street.....	Boarding house.....	2 story frame.
" 16....	3.04 "	34	25 and 27 Market street.....	Ship Chandlery.....	2 story frame.
" 16....	4.19 "	36	Steuart-street Pier 32.....	Hay barn.....	1 story frame.
" 18....	5.49 a.m.	173.	Ash avenue.....	Stable.....	1 story frame.
" 18....	5.55 "	351	Broadway and Montgomery.....	.....	.....
" 18....	5.03 p.m.	326	Henderson avenue.....	Stable.....	1 story frame.
" 18....	5.03 "	326	Point Lobos avenue.....	Dwelling.....	2 story frame.
" 19....	5.57 "	139	407 Leavenworth street.....	Dwelling.....	2 story frame.
" 19....	7.35 "	74	3035 Sixteenth street.....	Laundry.....	3 story frame.
" 20....	2.30 a.m.	Still.	232 Fourth street.....	Cigar store.....	2 story frame.
" 21....	5.30 p.m.	274	Twenty-fifth street.....	Dwelling.....	2 story frame.
" 21....	5.30 "	274	Twenty-fifth street.....	Dwelling and grocery.....	1 story frame.
" 23....	5.50 "	153	Harrison and Eighth.....	Dwelling and stores.....	3 story frame.
" 23....	5.50 "	153	409 Eighth street.....	Boiler and engine house.....	1 story frame.
" 23....	5.50 "	153	411 and 413 Eighth street.....	Store house.....	2 story frame.
" 23....	5.50 "	153	415 Eighth street.....	Boiler and engine house.....	1 story frame.
" 23....	5.50 "	153	Eighth street.....	School house.....	2 story frame.
" 23....	5.50 "	153	1191 Harrison street.....	Dwelling.....	2 story frame.
" 23....	5.50 "	153	25 Haywood street.....	Dwelling.....	3 story frame.
" 23....	5.50 "	153	24 Haywood street (rear)....	Dwelling.....	2 story frame.
" 23....	5.50 "	153	4 Haywood street.....	Dwelling.....	1 story frame.
" 24....	6.24 "	17	640 Jackson street.....	Chinese stores.....	3 story brick..
" 24....	6.24 "	17	642 Jackson street.....	Chinese restaurant.....	2 story brick..
" 25....	2.24 "	27	Clay and Montgomery.....	Offices.....	3 story brick..
" 27....	5.35 "	46	411 and 413 Bush street....	Dwelling and architects office	3 story brick..

## STATEMENT OF FIRES AND ALARMS.

45

FOR THE YEAR ENDING JUNE 30, 1882—CONTINUED.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSUR- ANCE.	PAID.
Children with matches	Enterprise Mill Co.	\$500 00	\$12,945 00	\$500 00
Children with matches	Code & Elfelt	525 00	28,000 00	425 00
Children with matches	W. Deacon	160 00	13,937 50	160 00
Children with matches	W. R. Green	4,500 00	1,075 00	1,075 00
Children with matches	W. R. Green	2,700 00	650 00	650 00
Children with matches	J. Boland	1,800 00	900 00	900 00
Children with matches	N. Richard	1,200 00	.....	.....
Children with matches	W. H. Smith	575 00	2,800 00	575 00
Children with matches	W. H. Smith	115 60	600 00	115 00
Children with matches	J. W. Wesson	50 60	.....	.....
Children with matches	N. Richard	125 00	.....	.....
Children with matches	W. Simmons	60 00	1,000 00	60 00
Children with matches	C. F. Doe	210 00	15,000 00	185 00
Children with matches	J. Boland	1,000 00	.....	.....
Children with matches	J. Boland	1,000 00	.....	.....
Children with matches	J. Boland	1,000 00	.....	.....
Children with matches	J. Boland	1,000 00	.....	.....
Children with matches	J. Boland	1,200 00	.....	.....
Children with matches	C. F. Frazer	20 00	600 00	20 00
Children with matches	S. Label	20 00	500 00	20 00
Children with matches	Hanson & Ackerson	75 00	4,000 00	75 00
Second alarm	.....	.....	.....	.....
General alarm	.....	.....	.....	.....
Chimney	.....	.....	.....	.....
Unknown	F. Murphy	375 00	2,000 00	175 00
Unknown	J. Bridgwood	1,250 00	1,200 00	1,000 00
Unknown	M. Rodgers	80 00	1,000 00	80 00
Explosion of gasoline	O. D. Sherman	4,320 25	17,600 00	3,310 35
Gaslight	S. Bine	25 50	25,500 00	25 50
Explosion of coal oil lamp	A. Blanc	25 00	450 00	25 00
Explosion of coal oil lamp	A. Blanc	125 00	650 00	50 00
Explosion of coal oil lamp	Costa & Blanc	1,122 00	2,100 00	1,122 00
Explosion of coal oil lamp	G. Costa	497 00	500 00	247 00
Explosion of coal oil lamp	G. Costa	506 00	1,500 00	356 00
Explosion of coal oil lamp	J. C. Reich	10 00	300 00	10 00
Carelessness with matches	J. Dobbelaar	1,050 00	800 00	800 00
Rekindling	.....	.....	.....	.....
Children with matches	T. Harobin	6 00	4,000 00	6 00
Ashes	A. Avenzl	5 00	3,800 00	5 00
Carelessness with matches	C. B. Green	840 00	3,000 00	840 00
Supposed carelessness with pipe	Allyne & White	475 00	1,000 00	400 00
Supposed carelessness with pipe	Ellis & Miller	7,850 00	5,000 00	5,000 00
Supposed carelessness with pipe	Renton & Holmes	4,900 00	5,000 00	4,900 00
Supposed carelessness with pipe	Allyne & White	100 00	1,000 00	.....
Supposed carelessness with pipe	A. Crawford & Co.	200 00	2,327 71	200 00
Carelessness with cigar	Rider & Jones	1 00	.....	.....
Carelessness with pipe	J. Flynn	1,000 00	.....	.....
False	.....	.....	.....	.....
Children with matches	G. Horton	800 00	300 00	300 00
Children with matches	G. Horton	50 00	500 00	50 00
Chimney	Dr. Dodge	.....	.....	.....
Defective dry-room	S. May	30 00	6,350 00	30 00
Explosion of coal oil lamp	S. Hastertick	76 40	600 00	76 40
Defective chimney	M. O'Neil	1,550 00	2,000 00	1,250 00
Defective chimney	A. D. Roderick	59 00	500 00	59 00
Defective furnace	W. Assmussen	55 00	2,000 00	55 00
Defective furnace	C. Spreckles	2,150 00	.....	.....
Defective furnace	Mattullath & Co.	28,451 64	19,000 00	19,000 00
Defective furnace	San Francisco Candle Co.	2,000 00	1,000 00	.....
Defective furnace	City and County	400 00	.....	.....
Defective furnace	W. Assmussen	25 00	3,000 00	25 00
Defective furnace	L. Helbing	167 50	700 00	167 50
Defective furnace	L. Helbing	58 50	300 00	58 50
Defective furnace	R. Brown	82 00	800 00	32 00
Carelessness with candle	Quong Loy Gong	20 00	1,500 00	20 00
Carelessness with candle	Sun Wo & Co.	660 00	8,500 00	425 00
Explosion of chemicals	L. Skinner	5 00	.....	.....
Explosion of coal oil lamp	C. & F. Lemame	779 30	15,000 00	529 30



## STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
1881.					
Oct. 28.	10.50 "	213	9 Middle street.	Dwelling.	3 story frame.
" 28.	11.55 "	74	Dolores and Fifteenth.	Brewery.	2 story frame.
" 28.	9.41 a.m.	48	Stevenson street.		2 story frame.
" 28.	2.35 p.m.	95	435 Stevenson street.		2 story frame.
" 28.	2.35 "	95	435 Stevenson street (rear).	Smoke house.	2 story frame.
" 29.	2.35 "	95	437 Stevenson street.	Gas house.	1 story brick.
" 29.	5.42 "	78	1311 Howard street.	Dwelling.	2 story frame.
" 31.	8.30 a.m.	Still.	110 Stockton street.	Dwelling.	2 story frame.
" 31.	9.04 "	61	Tehama street.		
" 31.	2.45 p.m.	Still.	23 Sixth street.	Dwelling.	3 story frame.
Nov. 1.	9.43 a.m.	291	1025 Valleejo street.	Dwelling.	2 story frame.
" 2.	2.51 "	62	Howard and Fourth (S.E.).	Dwelling and saloon.	2 story frame.
" 3.	5.23 "	281	Yuba and Nebraska (S.E.).	Dwelling and brewery.	2 story frame.
" 3.	5.23 "	281	Nebraska street.	Unoccupied.	2 story frame.
" 3.	5.23 "	281	Nebraska street (rear).	Tannery.	2 story frame.
" 3.	5.23 "	281	Yuba and Nebraska (N.E.).	Dwelling.	2 story frame.
" 3.	5.23 "	281	Yuba street.	Dwelling.	1 story frame.
" 3.	5.35 "	281	Yuba street.	Dwelling.	1 story frame.
" 6.	6.39 p.m.	Still.	218 Second street.	Dwelling.	2 story brick.
" 7.	2.30 a.m.	"	24 Waverly place.	Dwelling.	1 story frame.
" 7.	4.51 p.m.	173	1303 1/2 Eddy street.	Dwelling.	2 story frame.
" 9.	6.30 a.m.	Still.	130 Oak street.	Dwelling.	2 story frame.
" 9.	11.27 "	84	119 Haight street.	Medical college.	2 story frame;
" 9.	7.30 p.m.	Still.	Fourteenth avenue	Dwelling.	2 story frame.
" 10.	5.51 a.m.	"	Battery street.	Wharf.	Wharf.
" 10.	10.47 "	146	1821 Howard street.	Stable.	1 story frame.
" 10.	12.07 p.m.	67	631 Harrison street.	Stable.	2 story frame.
" 10.	12.07 "	67	5 Vassar place.	Dwelling.	2 story frame.
" 11.	5.00 "	Still.	1504 Howard street.	Dwelling.	2 story frame.
" 12.	9.12 "	31	412 to 416 Sacramento street	Cigar factory and store.	3 story brick.
" 14.	9.36 a.m.	9	Vallejo and Dupont.	Dwelling and grocery.	2 story frame.
" 14.	9.36 "	9	1234 Dupont street.	Dwelling and dry goods.	3 story frame.
" 14.	11.45 "	237	937 Guerrero street.	Dwelling.	2 story frame.
" 14.	10.53 p.m.	25	65 Bartlett alley.	Chinese dwelling.	2 story brick.
" 14.	11.03 "	13	Broadway and Front.		
" 15.	8.00 "	Still.	619 Leavenworth street.	Dwelling.	2 story frame.
" 16.	8.49 a.m.	17	817 Kearny street.	Saloon.	3 story brick.
" 16.	10.15 "	148	Sixteenth street.	Dwelling.	2 story frame.
" 17.	5.56 p.m.	36	Bryant and Spear.	Dry dock.	1 story frame.
" 17.	10.10 "	154	Bryant street.	Laundry.	2 story frame.
" 20.	2.00 a.m.	251	Vallejo and Webster.	Hot house.	1 story frame.
" 20.	9.09 p.m.	178	2006 Bush street.	Dwelling.	2 story frame.
" 21.	3.23 "	65	410 Minna street.	Dwelling.	2 story frame.
" 22.	4.55 a.m.	178	1612 Post street.	Dwelling.	2 story frame.
" 22.	5.47 p.m.	25	Howard and Russ.	Chinese dwelling and stores.	4 story frame.
" 23.	8.00 "	Still.	Hayes and Franklin.	Lodging house.	3 story frame.
" 24.	10.47 a.m.	81	Hayes and Franklin.		
" 24.	4.31 p.m.	69	554 Bryant street.	Dwelling.	2 story frame.
" 24.	9.24 "	258	Entaw street.	Dwelling.	2 story frame.
" 25.	4.45 a.m.	Still.	Geary and Hyde.	Dwelling and fruit store.	2 story frame.
" 25.	8.07 p.m.	"	Tehama and Second.	Dwelling.	2 story frame.
" 27.	3.43 a.m.	58	237 to 243 First street.	Machine shop.	1 story frame.
" 27.	3.43 "	58	19 Baldwin court.	Dwelling.	2 story frame.
" 27.	3.43 "	58	21 Baldwin court.	Dwelling.	2 story frame.
" 27.	5.16 p.m.	48	41 Third street.	Dwelling and clothing store.	2 story frame.
" 28.	12.10 a.m.	Still.	413 Third street.	Blacksmith shop.	2 story frame.
" 28.	5.59 p.m.	52	118 Mission street.	Lodging house.	3 story frame.
" 30.	7.38 "	182	148 Bluxome street.	Dwelling and saloon.	2 story frame.
" 30.	7.38 "	182	150 Bluxome street.	Cooperage & furniture factory.	2 story frame.
" 30.	7.38 "	182	150 Bluxome street (rear).	Marble work.	1 story frame.
" 20.	7.38 "	182	152 Bluxome street.	Dwelling.	2 story frame.
" 30.	7.38 "	182	152 Bluxome street (rear).	Broom handle manufactory.	1 story frame.
" 30.	7.52 "	73	152 Bluxome street (rear).	Broom handle manufactory.	1 story frame.
Dec. 3.	12.38 a.m.	Still.	7 to 15 First street.	Machine shops.	1 story frame.
" 7.	4.09 "	146	Sixteenth street.	Candle factory.	3 story frame.
" 8.	1.32 p.m.	16	1006 1/2 Pacific street.	Chinese laundry.	2 story frame.
" 8.	1.32 "	16	1008 Pacific street.	Dwelling.	2 story frame.
" 9.	4.00 "	51	Folsom and First.		

## STATEMENT OF FIRES AND ALARMS.

47

FOR THE YEAR ENDING JUNE 30, 1882—CONTINUED.

CAUSE.	OWNER OR OCCUPANT	LOSS.	INSUR- ANCE.	PAID.
Explosion of coal oil lamp.....	L. Hulton.....	\$1,100 00	\$2,200 00	\$1,000 00
Unknown.....	Swan Brewery Co.....	2,000 00		
False.....				
Explosion of gas.....	C. Kelly.....	220 00	1,500 00	170 00
Explosion of gas.....	C. Kelly.....	10 00	1,000 00	10 00
Explosion of gas.....	E. J. Baldwin.....	5,000 00		
False.....				
Defective chimney.....	W. Shields.....	115 00	800 00	65 00
False.....				
Defective chimney.....	W. Purdon.....	15 00		
Children with matches.....	B. Feeney.....	100 60		
Defective chimney.....	F. Joost.....	744 50	1,400 00	644 50
Unknown.....	J. Christ.....	6,040 16	6,000 00	2,867 16
Unknown.....	Clay-street Bank.....	560 00	400 00	400 00
Unknown.....	Clay-street Bank.....	80 00	150 00	80 00
Unknown.....	John Mains.....	150 00		
Unknown.....	E. Reynolds.....	140 00	800 00	140 00
Second alarm.....				
Carelessness with matches.....	C. Heiman.....	175 00	1,500 00	150 00
Defective chimney.....	Quong Wa Ying.....	100 00		
False.....	Unknown.....			
Defective chimney.....	C. B. Russell.....	25 00	1,200 00	
Tinker's furnace.....	J. Mathews.....	20 00	3,000 00	20 00
Incendiary.....	M. Monahan.....	30 00	925 00	
Ashes.....	State of California.....	25 00		
Children with matches.....	A. Rushmore.....	500 00		
Children with matches.....	Clay-street Bank.....	700 00		
Children with matches.....	D. Clunie.....	90 00	1,500 00	40 00
Defective chimney.....	G. Raisch.....	25 00	850 00	25 00
Supposed carelessness with cigar.....	J. P. Treadwell.....	590 00	6,800 00	420 00
Defective chimney.....	W. Morrison.....	50 00	2,500 00	50 00
Defective chimney.....	G. Castinotto.....	25 00	5,800 00	
Children with matches.....	J. H. Sullivan.....	95 00	1,900 00	45 00
Spontaneous combustion.....	B. Voit.....	467 00	3,000 00	272 00
False.....				
Gaslight.....	L. Bachmann.....	25 00	7,300 00	25 00
Carelessness with cigar.....	A. Guy.....	25 00	10,000 00	25 00
Defective flue.....	G. W. Gibb.....	219 90	20,000 00	119 90
Fumes from benzine.....	California Dry Dock Co.....	1,100 00	1,000 09	600 00
Defective furnace.....	French Society.....	425 00	2,500 00	425 00
Defective grate.....	Dr. Brigham.....	250 00		
Defective grate.....	C. H. Stanyan.....	225 00	5,000 00	225 00
Children with matches.....	J. A. Donahue.....	75 00	2,000 00	75 00
Carelessness with candle.....	C. H. Gottschalk.....	900 00	1,800 00	400 00
Explosion of coal oil lamp.....	Pomier & Gavard.....	275 00	23,000 00	25 00
Sparks from chimney.....	W. Bryan.....	62 00	3,050 00	62 00
False.....				
Children with matches.....	F. Denigan.....	210 00	1,000 00	60 00
Defective stove.....	John Conway.....	1,177 00	3,050 00	1,177 00
Incendiary.....	L. P. Drexler.....	45 00	1,500 00	32 50
Explosion of coal oil lamp.....	J. Welland.....	10 00	1,200 00	
Defective oven.....	Angle, Palmer & Co.....	5,200 00	15,000 00	5,200 00
Defective oven.....	— Monahan.....	150 00		
Defective oven.....	W. Thompson.....	125 00		
Defective chimney.....	I. Jessup.....	56 00	1,800 00	56 00
Unknown.....	Tessmer & Oles.....	25 00	800 00	15 00
Explosion of coal oil lamp.....	H. Magnus.....	265 00	3,000 00	65 00
Friction.....	Charles Klemm.....	917 50	1,600 00	917 50
Friction.....	H. Grantz.....	3,322 50	2,050 00	1,925 00
Friction.....	Kesseler & Co.....	25 00	5,752 00	25 00
Friction.....	H. Grantz.....	2,000 00	400 00	400 00
Friction.....	H. Grantz.....	3,662 50	1,510 00	1,510 00
Second alarm.....				
Defective forge.....	M. Sheldon.....	75 00	2,000 00	
Explosion of boiler.....	Morganthau & Co.....	50 00	36,000 00	
Defective chimney.....	George Miller.....	125 00		
Defective chimney.....	T. Stone.....	30 00	1,500 00	30 00
False.....				

## STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
1881.					
Dec. 9....	6.14 "	96	130 Ellis street.....	Wood and coal yard.....	1 story frame.
" 10....	1.55 a.m.	33	Sutter and Montgomery...	Shirt factory.....	2 story brick.
" 10....	12.35 p.m.	47	803 Market street.....	Tailor shop.....	1 story frame.
" 10....	12.35 "	47	805 Market street.....	Book store.....	1 story frame.
" 10....	12.35 "	47	807 Market street.....	Dwelling and crockery.....	2 story frame.
" 10....	12.35 "	47	809 and 811 Market street..	Photo. gallery and stores...	2 story frame.
" 10....	12.35 "	47	813 Market street.....	Furrier and restaurant.....	2 story frame.
" 10....	12.35 "	47	815 Market street.....	Dwelling and paint shop.....	2 story frame.
" 10....	12.35 "	47	6 Fourth street.....	Boot and shoe store.....	1 story frame.
" 10....	12.35 "	47	8 Fourth street.....	Coffee and tea store.....	1 story frame.
" 12....	5.36 "	26	Clay and Battery.....		
" 13....	9.00 a.m.	Still.	436 Second street.....	Dwelling.....	2 story frame.
" 14....	3.10 "	231	1050 Twenty-fourth street..	Dwelling.....	2 story frame.
" 14....	3.10 "	231	1052 Twenty-fourth street..	Stable.....	1 story frame.
" 15....	8.40 "	123	2311 Larkin street.....	Dwelling.....	2 story frame.
" 15....	8.49 "	123	2313 Larkin street.....	Chinese washing house.....	2 story frame.
" 16....	5.47 "	34	112 Main street.....	Junk store.....	3 story frame.
" 19....	8.07 "	63	156 Silver street.....	Dwelling.....	2 story frame.
" 19....	8.07 "	63	158 Silver street.....	Dwelling.....	2 story frame.
" 20....	10.43 p.m.	142	Valencia and Nineteenth.....	Dwelling and saloon.....	2 story frame.
" 22....	5.41 "	7	Union and Kearny.....	Dwelling.....	2 story frame.
" 23....	3.00 a.m.	25	St. Louis alley.....	Chinese dwelling & restaur't.	2 story frame.
" 24....	6.15 p.m.	Still.	Berry and Fourth.....	Dwelling and restaurant.....	2 story frame.
" 26....	10.00 "	"	32 Powell avenue.....	Dwelling.....	2 story frame.
" 27....	6.30 "	"	Folsom and Main.....	Dwelling and saloon.....	2 story frame.
" 31....	8.31 a.m.	351	327 Broadway street.....	Dwelling.....	1 story frame.
1882.					
Jan. 1....	4.30 a.m.	92	924 Eddy street.....	Dwelling.....	2 story frame.
" 7....	11.12 p.m.	26	309 Commercial street.....	Chinese shoe factory.....	2 story brick..
" 7....	11.12 "	26	311 Commercial street.....	Chinese cigar factory.....	2 story brick..
" 7....	11.12 "	26	310 Sacramento street.....	Cigar store.....	2 story brick..
" 8....	5.08 p.m.	95	8 and 10 Sixth street.....	Dwelling and saloon.....	2 story frame.
" 8....	5.08 "	95	12 and 14 Sixth street.....	Dwelling and barber.....	2 story frame.
" 9....	9.13 a.m.	57	DeBroom street.....		
" 10....	8.00 p.m.	Still.	1728 Golden Gate avenue..	Dwelling.....	2 story frame.
" 11....	3.05 "	"	1014 Van Ness avenue.....	Dwelling.....	2 story frame.
" 11....	5.35 "	"	151 Third street.....	Furniture store.....	1 story frame.
" 13....	12.08 "	47	11 Mason street.....	Dwelling.....	3 story frame.
" 13....	4.25 "	146	Mariposa street.....	Barn.....	1 story frame.
" 13....	4.25 "	146	Bryant avenue.....	Dwelling.....	1 story frame.
" 14....	3.35 a.m.	Still.	863 Mission street.....	Lodging house.....	2 story frame.
" 15....	6.39 "	72	230 & 232 Fourteenth street	Carpet beat'g & Tobacco fac.	2 story frame.
" 15....	2.41 p.m.	35	322 and 324 Pine street.....	Restaurant.....	4 story brick..
" 16....	3.54 a.m.	236	Day and Sanchez.....	Dwelling and grocery.....	1 story frame.
" 16....	3.54 "	236	Day street.....	Stable.....	1 story frame.
" 16....	3.54 "	236	Sanchez street.....	Unoccupied.....	1 story frame.
" 17....	5.54 "	32	California and Drumm.....		
" 18....	3.16 "	12	426 Kearny street.....	Lodging house.....	3 story brick..
" 19....	7.43 "	36	Harbor.....	Schooner.....	Schooner....
" 20....	6.49 "	71	Natoma street.....	Wood and coal yard.....	1 story frame.
" 22....	8.00 p.m.	Still.	845 Mission street.....	Dwelling.....	2 story frame.
" 23....	3.23 a.m.	134	1016 Sutter street.....	Wood shed.....	1 story frame.
" 23....	4.00 "	Still.	417 Bush street.....	Lodging house.....	3 story brick..
" 25....	1.46 "	233	Nebraska street.....	Dwelling.....	1 story frame.
" 25....	1.46 "	233	Nebraska street.....	Dwelling.....	1 story frame.
" 25....	7.00 p.m.	Still.	Jackson and Dupont.....	Chinese dwelling and stores..	3 story brick..
" 26....	1.17 a.m.	182	Berry and Sixth.....	Flour and macaroni mill.....	2 story frame.
" 28....	11.33 "	48	4 and 6 Kearny street.....	Furnishing goods.....	3 story brick..
" 30....	5.31 p.m.	216	2510 California street.....	Dwelling.....	2 story frame.
Feb. 1....	6.30 a.m.	Still.	1714 Bush street.....	Dwelling.....	2 story frame.
" 1....	1.24 p.m.	52	319 and 321 Market street..	Stores.....	3 story brick..
" 1....	7.10 "	156	Fourth-street wharf.....	Vessel.....	Vessel.....
" 2....	9.00 "	Still.	631 Golden Gate avenue.....	Dwelling.....	2 story frame.
" 3....	11.12 a.m.	"	Fifth avenue.....	Dwelling.....	1 story frame.
" 3....	11.12 "	"	Fifth avenue.....	Stable.....	2 story frame.
" 3....	11.12 "	"	Fifth avenue.....	Tripe cleaving.....	1 story frame.
" 3....	7.07 p.m.	68	556 to 572 Brannan street..	Furniture factory.....	3 story frame.
" 3....	7.30 "	Still.	Union street.....	Barn.....	1 story frame.



## STATEMENT OF FIRES AND ALARMS.

49

FOR THE YEAR ENDING JUNE 30, 1882—CONTINUED.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSUR- ANCE.	PAID.
Carelessness with pipe.....	W. Z. Tiffany.....	875 00		
Incendiary.....	N. Luuig.....	90 00	\$1,000 00	\$65 00
Carelessness with cigar.....	Lick Trust.....	1,211 80	5,200 00	1,211 80
Carelessness with cigar.....	Lick Trust.....	583 00	1,300 00	583 00
Carelessness with cigar.....	H. G. Fisk.....	5,525 00	5,000 00	3,625 00
Carelessness with cigar.....	H. G. Fisk.....	10,425 20	7,325 00	6,238 90
Carelessness with cigar.....	Lick Trust.....	2,674 20	3,700 00	2,266 75
Carelessness with cigar.....	C. J. Barron.....	1,070 00	850 00	470 00
Carelessness with cigar.....	Lick Trust.....	14 00	200 00	14 00
Carelessness with cigar.....	Lick Trust.....	18 00	200 00	18 00
False.....				
Defective stove-pipe.....	G. Reis.....	225 00	2,000 00	105 00
Carelessness with pipe.....	G. Edwards.....	260 00	5,350 00	260 00
Carelessness with pipe.....	G. Edwards.....	65 00		
Defective range.....	G. M. McKean.....	650 00		
Defective range.....	J. Radolph.....	1,100 00		
Spontaneous combustion.....	A. Waugh.....	757 00	4,850 00	757 00
Children with matches.....	P. McGuire.....	875 00	1,000 00	475 00
Explosion of coal oil lamp.....	S. Smiddy.....	858 50	2,000 00	708 50
Carelessness with candle.....	F. A. Wohlfrom.....	133 00	3,500 00	139 00
Explosion of coal oil lamp.....	J. Cunio.....	100 00		
Explosion of coal oil lamp.....	— Marcheabout.....	1,130 00	750 00	130 00
Explosion of coal oil lamp.....	A. Hertzo.....	33 00	1,000 00	39 00
Defective grate.....	— Woodbury.....	50 00	2,000 00	40 00
Explosion of coal oil lamp.....	P. Enwright.....	35 00	400 00	
Defective stove.....	A. Chesar.....	5 00		
Defective grate.....	H. Rothschild.....	930 75	11,000 00	930 75
Explosion of coal oil lamp.....	V. Secchi.....	100 00	3,000 00	20 00
Explosion of coal oil lamp.....	A. Secchi.....	19,755 68	21,500 00	19,455 68
Explosion of coal oil lamp.....	H. Wreden.....	79 00	5,000 00	79 00
Sparks from chimney.....	A. Sutor.....	147 50	5,700 00	147 50
Sparks from chimney.....	D. Greninger.....	335 .0	3,600 00	335 00
False.....				
Carelessness with matches.....	W. H. Sharp.....	101 00	3,000 00	101 00
Defective grate.....	R. Levy.....	150 00	27,500 00	150 00
Carelessness with matches.....	A. Feig.....	10 00	1,500 00	
Sparks from chimney.....	A. W. Manning.....	15 00	1,000 00	5 00
Carelessness with pipe.....	Miller & Lux.....	2,972 50	1,000 00	1,000 00
Carelessness with pipe.....	G. S. Ashmead.....	10 00		
Defective grate.....	J. C. Wilmerding.....	22 50	1,000 00	12 50
Spontaneous combustion.....	J. E. Mitchell.....	566 50	8,400 00	566 50
Defective range.....	Estate of M. Reese.....	65 25	37,000 00	65 25
Explosion of coal oil lamp.....	D. M. Costello.....	2,440 00	3,160 00	2,440 00
Explosion of coal oil lamp.....	D. M. Costello.....	50 00	100 00	60 00
Explosion of coal oil lamp.....	J. Christ.....	2,000 00		
False.....				
Sparks from chimney.....	H. Prohl.....	50 00	11,200 00	25 00
Sparks from smoke-stack.....	M. D. Sweeny.....	500 00		
Carelessness with pipe.....	J. Sullivan.....	50		
Explosion of coal oil lamp.....	E. Ramsey.....	53 55	9,150 00	53 55
Ashes.....	A. Pinto.....	50 00		
Ashes.....	J. Alexandcr.....	15 00	5,000 00	15 00
Supposed carelessness with candle.....	S. Wagner.....	1,311 60	1,800 00	1,311 60
Supposed carelessness with candle.....	M. Jordan.....	185 00	1,000 00	160 00
Carelessness with candle.....	F. A. Roncati.....	145 50	14,500 00	145 50
Defective furnace.....	C. R. Splivalo.....	29,706 29	12,000 00	12,000 00
Carelessness with candle.....	J. C. Johnson.....	192 50	30,000 00	172 50
Explosion of coal oil stove.....	E. P. St. John.....	22 00	4,000 00	22 00
Defective grate.....	S. Wangenheim.....	79 50	12,000 00	79 50
Sparks from chimney.....	C. Spreckles.....	505 00	78,000 00	505 00
Carelessness with candle.....	Unknown.....	25 00		
Defective grate.....	L. Hardy.....	40 00	2,000 00	40 00
Sparks from smoke-stack.....	J. Bayle.....	35 00	1,000 00	35 00
Sparks from smoke-stack.....	J. Bayle.....	624 80	1,575 00	624 80
Sparks from smoke-stack.....	J. Bayle.....	2,700 00	1,500 00	1,500 00
Spontaneous combustion.....	W. B. Bradbury.....	210 00	2,500 00	165 00
Defective flue.....	J. Hoshier & Co.....			

## STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
1882.					
Feb. 5....	9.00 a.m.	38	Market and Second.....	Wine vault.....	1 story brick..
" 5....	9.35 p.m.	61	761 Howard street.....	Lodging house.....	1 story frame.
" 5....	9.35 "	61	763 Howard street.....	Dwelling.....	2 story frame.
" 6....	7.22 a.m.	49	207 Post street.....	Restaurant.....	3 story frame.
" 6....	7.49 p.m.	47	12 Mason street.....	Lodging house.....	3 story brick..
" 7....	8.00 "	Still.	Bryant and Fourth.....	Dwelling and stores.....	3 story frame.
" 7....	7.00 "	"	317 Mason street.....	Dwelling.....	3 story frame.
" 7....	8.00 "	"	1414 Pacific street.....	Dwelling.....	1 story frame.
" 8....	4.07 a.m.	47	Market and Powell.....	Hotel.....	5 story brick..
" 9....	1.16 "	19	506 Front street.....	Cooper shop.....	1 story frame.
" 9....	1.16 "	19	508 Front street.....	Dwelling and cooper shop.....	2 story frame.
" 9....	1.16 "	19	510 Front street.....	Dwelling and saloon.....	2 story frame.
" 9....	5.21 "	48	9 and 11 Kearny street.....	Lodging house and stores.....	4 story brick..
" 9....	9.31 p.m.	25	Clay and Dupont.....	Chinese dwelling and stores.....	3 story frame.
" 11....	12.03 "	153	Boyd street.....	Dwelling.....	2 story frame.
" 12....	1.23 a.m.	49	Sutter and Stockton.....	Dwelling.....	2 story frame.
" 12....	10.30 p.m.	Still.	California & Van Ness ave.	Dwelling.....	2 story frame.
" 13....	7.00 "	"	111 Jackson street.....	Boarding house.....	2 story frame.
" 14....	2.07 a.m.	"	49 Jessie street.....	Dwelling.....	2 story frame.
" 15....	12.19 "	21	Clay and Kearny.....	Offices and stores.....	3 story brick..
" 19....	5.30 "	43	9 and 11 Stockton street.....	Dwelling and restaurant.....	2 story brick..
" 19....	5.30 "	43	9 and 11 Stockton st. (rear)	Bakery and store room.....	2 story frame.
" 19....	5.30 "	43	13 Stockton street.....	Carpenter shop.....	1 story frame.
" 19....	5.30 "	43	13 Stockton street.....	Dwelling.....	2 story frame.
" 23....	5.02 p.m.	39	103 Howard street.....	Restaurant.....	2 story frame.
" 25....	3.30 a.m.	46	Sutter and Kearny.....	Offices and stores.....	4 story brick..
Mar. " 2....	3.34 "	58	255 and 257 First street.....	Pattern shop.....	3 story frame.
" 2....	3.34 "	58	229 First street.....	Wood and coal yard.....	2 story frame.
" 10....	7.17 p.m.	68	Brannan street.....	Dwelling.....	2 story frame.
" 12....	12.17 a.m.	78	Clementina and Ninth.....	Saloon.....	1 story frame.
" 13....	8.47 p.m.	26	310 and 312 Clay street.....	Canned meat establishment.....	3 story frame.
" 13....	8.47 "	26	314 Clay street.....	Saloon.....	3 story frame.
" 14....	1.45 a.m.	159	Sixth street.....	Market.....	1 story frame.
" 14....	9.10 "	142	627 Nineteenth street.....	Dwelling.....	2 story frame.
" 14....	7.27 p.m.	95	523 Stevenson street.....	Dwelling.....	2 story frame.
" 14....	7.27 "	95	525 and 527 Stevenson street.....	Dwelling.....	2 story frame.
" 14....	7.27 "	95	525 & 527 Stevenson st. (rear)	Dwelling.....	2 story frame.
" 14....	7.27 "	95	529 & 531 Stevenson street.....	Dwelling & Chinese laundry.....	2 story frame.
" 14....	10.26 "	47	855 Market street.....	Furniture store & store rooms.....	2 story brick..
" 14....	10.30 "	Still.	603 Eddy street.....	Dwelling.....	2 story frame.
" 14....	10.45 "	"	1513 Larkin street.....	Dwelling.....	2 story frame.
" 18....	1.10 a.m.	68	Hickory avenue.....	Unoccupied.....	1 story frame.
" 18....	1.10 "	68	Hickory avenue.....	Unoccupied.....	1 story frame.
" 18....	1.13 "	91	224 Turk street.....	Dwelling.....	2 story frame.
" 18....	1.13 "	91	226 Turk street.....	Dwelling and cigar factory.....	2 story frame.
" 20....	6.00 p.m.	Still.	235 Main street.....	Dwelling.....	3 story frame.
" 20....	6.30 a.m.	"	Harrison and Eighteenth.....	Stove foundry.....	1 story frame.
" 21....	10.40 "	149	227 Stevenson street.....	Oakum factory.....	1 story frame.
" 21....	12.17 p.m.	48	Townsend and Fourth.....	Dwelling.....	2 story frame.
" 22....	1.40 p.m.	156	310 Townsend street.....	Dwelling and saloon.....	2 story frame.
" 22....	1.40 "	156	312 Townsend street.....	Cream of tartar factory.....	2 story frame.
" 22....	1.40 "	156	312 Townsend street.....	Dwelling and restaurant.....	2 story frame.
" 22....	1.40 "	156	312 Townsend street (rear).....	Cream of tartar factory.....	1 story frame.
" 23....	5.26 p.m.	79	104 Fourteenth street.....	Dwelling.....	2 story frame.
" 23....	5.26 "	79	106 Fourteenth street.....	Dwelling.....	2 story frame.
" 24....	3.40 a.m.	134	1222 Pine street.....	Boarding house.....	3 story frame.
" 26....	3.00 "	Still.	Hunter's Point.....	Dwelling.....	1 story frame.
" 26....	3.36 "	19	515 to 519 Davis street.....	Lodging house & restaurant.....	2 story frame.
" 26....	3.36 "	19	Clark street.....	Market.....	1 story frame.
" 26....	3.38 "	236	Diamond street.....	Unoccupied.....	1 story frame.
" 29....	6.30 p.m.	Still.	1248 California street.....	Dwelling.....	2 story frame.
Apr. " 1....	7.07 a.m.	154	770 Bryant street.....	Stable.....	2 story frame.
" 1....	7.07 "	154	770 Bryant street (rear).....	Kindling wood factory.....	1 story frame.
" 6....	10.45 p.m.	27	Merchant and Montgomery.....	Offices.....	3 story brick..
" 9....	11.34 a.m.	34	30 and 32 Steuart street.....	Boarding house.....	3 story frame.
" 10....	3.39 p.m.	25	704 Dupont street.....	Chinese stores.....	3 story brick..
" 14....	12.39 a.m.	25	30 Waverly place.....	Chinese cigar factory.....	2 story frame.
" 14....	10.52 p.m.	95	Stevenson street.....	Gas house.....	1 story brick..

## STATEMENT OF FIRES AND ALARMS.

51

FOR THE YEAR ENDING JUNE 30, 1882—CONTINUED.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSUR- ANCE.	PAID.
False.....	Gundlach & Co.....			
Defective chimney.....	W. C. Pease.....	\$261 00	\$5,500 00	\$261 00
Defective chimney.....	A. Gerlach.....	455 00	2,000 00	455 00
Carelessness with fire.....	W. Cesar.....	25 00	1,500 00	25 00
Carelessness with candle.....	J. F. Klein.....	75 75	4,300 00	75 75
Unknown.....	B. Ruddy.....	40 00	2,000 00	40 00
Unknown.....	J. Godchaux.....	62 00	2,000 00	62 00
Defective chimney.....	P. Duffy.....	94 50	375 00	94 50
Sparks from chimney.....	E. J. Baldwin.....	500 00		
Defective furnace.....	L. J. Collins.....	187 90	1,013 00	187 90
Defective furnace.....	L. J. Collins.....	940 00	1,958 33½	940 00
Defective furnace.....	L. J. Collins.....	100 00	833 33½	100 00
Carelessness with candle.....	L. Strauss.....	516 35	48,000 00	516 35
Defective range.....	C. Main.....	3,324 85	13,400 00	1,614 85
Children with matches.....	L. Gando.....	50 00		
False.....				
Defective grate.....	G. M. Blake.....	250 00	37,500 00	250 00
Carelessness with cigar.....	J. Coeltho.....	40 00	1,100 00	30 00
Drunkennes.....	M. Dillon.....	211 50	1,400 00	11 50
Ashes.....	— Van Bergen.....	1,230 00	21,000 00	1,088 00
Defective oven.....	P. Mish.....	250 00	10,875 00	125 00
Defective oven.....	P. Mish.....	1,182 50	900 00	682 50
Defective oven.....	C. E. Bowman.....	395 00	1,500 00	395 00
Defective oven.....	A. E. Bullard.....	150 00	2,000 00	50 00
Explosion of coal oil lamp.....	H. Flalman.....	50 00		
Chimney.....	Unknown.....			
Unknown.....	Angel, Palmer & Co.....	2,062 00	13,540 02	2,062 00
Unknown.....	J. Larson.....	390 00	500 00	100 00
False.....				
Defective chimney.....	J. Buchanan.....	317 50	1,000 00	317 50
Carelessness with cigar.....	M. Ellis.....	4,425 00	11,750 00	4,425 00
Carelessness with cigar.....	W. Korts.....	650 00	1,000 00	500 00
Carelessness with cigar.....	Unknown.....	1 00		
Chimney.....	Unknown.....			
Carelessness with fire.....	W. Sleineke.....	100 00		
Carelessness with fire.....	M. Kelly.....	886 70	3,500 00	876 70
Carelessness with fire.....	M. Kelly.....	656 50	800 00	256 50
Carelessness with fire.....	M. & K. Duffy.....	1,300 00	2,000 00	500 00
Carelessness with benzine lamp.....	Jesuit Fathers.....	165 00	30,750 00	115 00
Children with matches.....	D. Harris.....	160 00	30,190 00	160 00
Carelessness with fire.....	J. E. Hughes.....	15 00	1,500 00	15 00
Tramps smoking.....	T. O'Connor.....	300 00	300 00	
Tramps smoking.....	T. O'Connor.....	50 00	50 00	
Unknown.....	I. Cohn.....	195 00	7,000 00	195 00
Unknown.....	J. Redstone.....	2,494 62	4,800 00	2,094 62
Sparks from stove.....	J. F. Tayler.....	25 00	1,500 00	
Carelessness with fire.....	Pacific Stone Co.....			
Friction.....	Dingley & Weeks.....	5,053 34	4,748 00	4,011 67½
Children with matches.....	W. McMenomy.....	10 00	2,000 00	10 00
Defective furnace.....	M. K. Knoll.....	60 00	7,000 00	60 00
Defective furnace.....	D. Cardaire & Co.....	15,066 19	15,000 00	8,119 70
Defective furnace.....	J. L. Merrill.....	170 00	500 00	70 00
Defective furnace.....	D. Cardaire.....	1,800 00		
Unknown.....	J. Nicholson.....	550 00	800 00	500 00
Unknown.....	A. A. Miller.....	165 00	4,700 00	140 00
Carelessness with candle.....	W. Sharon.....	1,400 00	500 00	300 00
Unknown.....	J. Erickson.....	1,000 00	1,000 00	960 00
Carelessness with candle.....	Garden and Ranch Ass'n.....	2,229 00	750 00	29 00
Defective furnace.....	Garden and Ranch Ass'n.....	250 00		
Unknown.....	J. McCarty.....	750 00	750 00	
Sparks from chimney.....	P. A. Finnigan.....	18 00	8,000 00	18 00
Boiling over of pitch.....	Weston & Co.....	75 00		
Boiling over of pitch.....	Weston & Co.....	250 00		
Defective flue.....	H. M. Nagle.....	125 20	12,000 00	125 20
Sparks from chimney.....	Allyne & White.....	435 00	2,350 00	185 00
Explosion of coal oil lamp.....	Cuddy & Fluery.....	220 00	13,200 00	220 00
Carelessness with candle.....	W. Gratton.....	343 20	3,800 00	343 2
Upsetting coal oil lamp.....	E. J. Baldwin.....	10 00		

## STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	STYLE.
1882.					
Apr 15.....	9.00 p.m.	Still.	607 Laguna street.....	Barber shop.....	2 story frame.
" 16.....	11.45 "	"	Railroad avenue.....	Office.....	1 story frame.
" 18.....	12.18 "	146	Shotwell street.....	Water tank.....	Water-tank..
" 20.....	4.08 a.m.	283	Valley and Church.....	Tannery.....	2 story frame.
" 20.....	4.08 "	283	Valley and Church.....	Dwelling.....	2 story frame.
" 20.....	4.20 "	283	Valley and Church.....	Dwelling.....	2 story frame.
" 20.....	3.21 p.m.	21	635 Washington street.....	Unoccupied.....	3 story brick..
" 20.....	4.50 "	61	248 Third street.....	Crocery store.....	2 story frame.
" 20.....	7.58 "	52	129 Beale street.....	Iron foundry.....	2 story frame.
" 21.....	5.00 "	Still.	Union street.....	Dwelling.....	2 story frame.
" 24.....	1.12 a.m.	146	York street.....	Unoccupied.....	1 story frame.
" 24.....	8.56 p.m.	29	804 Stockton street.....	Chinese shirt factory.....	2 story frame.
" 24.....	9.20 "	43	739 Market street.....	Carpet and paint store.....	2 story frame.
" 24.....	9.20 "	43	741 Market street.....	Board'g h'se & furnis'h'g goods	4 story frame.
" 24.....	9.20 "	43	743 Market street.....	Boarding house.....	3 story frame.
" 27.....	1.45 a.m.	152	Nebraska street.....	Dwelling.....	2 story frame.
" 27.....	1.45 "	152	Nebraska street.....	Dwelling.....	1 story frame.
" 27.....	1.45 "	152	Nebraska street.....	Tannery.....	2 story frame.
" 28.....	11.26 "	85	642 Grove street.....	Dwelling.....	2 story frame.
" 29.....	11.49 p.m.	217	2410 Sutter street.....	Barn and stable.....	2 story frame.
" 29.....	11.49 "	217	2412 Sutter street.....	Buggy house.....	2 story frame.
" 29.....	11.49 "	217	Sutter street.....	Coal shed.....	1 story frame.
" 30.....	7.37 "	58	14 Tehama street.....	Dwelling.....	2 story frame.
" 30.....	7.45 "	48	111 Geary street.....	Lodging house.....	3 story frame.
May 1.....	10.49 "	71	1527 Mission street.....	Dwelling.....	2 story frame.
" 4.....	3.11 "	273	Nineteenth street.....	Dwelling.....	1 story frame.
" 6.....	1.40 a.m.	16	826 Pacific street.....	Dwelling & furniture store..	3 story frame.
" 6.....	8.00 p.m.	Still.	134 Fourth street.....	Boarding.....	3 story brick..
" 7.....	7.14 a.m.	34	114 Spear street.....	Box factory.....	2 story frame.
" 7.....	2.53 p.m.	71	1511 Market street.....	Wood shed.....	1 story frame.
" 8.....	6.57 "	Still.	329 Bush street.....	Saloon.....	3 story brick..
" 8.....	8.49 "	157	656 Polson street.....	Dwelling.....	2 story frame.
" 8.....	9.00 "	Still.	1408 Van Ness avenue.....	Dwelling.....	2 story frame.
" 9.....	4.43 "	28	520 Bush street.....	Lodging house.....	4 story frame.
" 9.....	4.54 "	8	1421 Stockton street.....	Dwelling.....	2 story frame.
" 11.....	6.09 "	25	Brenham place.....	Dwelling.....	4 story brick..
" 11.....	8.40 "	Still.	520 Mission street.....	Dwelling.....	2 story frame.
" 12.....	7.06 "	31	518 Sansome street.....	Candy factory.....	2 story brick..
" 12.....	10.37 "	65	435 Natoma street.....	Dwelling.....	2 story frame.
" 15.....	10.22 "	47	823 Market street.....	Dwelling and saloon.....	2 story frame.
" 15.....	10.22 "	47	825 and 827 Market street..	Marble works and shoemaker	2 story frame.
" 15.....	10.22 "	47	829 and 831 Market street..	Book and furniture store.....	2 story frame.
" 16.....	7.48 a.m.	25	Clay and Dupont.....	Chinese stores.....	3 story brick..
" 16.....	8.33 p.m.	217	2425 Bush street.....	Dwelling.....	2 story frame.
" 17.....	9.35 "	26	417 Commercial street.....	Chinese cigar factory.....	3 story brick..
" 18.....	1.20 "	42	332 O'Farrell street.....	Dwelling.....	2 story frame.
" 19.....	8.45 a.m.	Still.	1009 Leavenworth street.....	Dwelling.....	2 story frame.
" 20.....	4.48 p.m.	32	30 to 36 Spear street.....	Flouring mill.....	2 story frame.
" 21.....	7.34 a.m.	5	Union and Battery.....	Sugar refinery.....	7 story brick..
" 21.....	7.34 "	5	Union and Battery.....	Charcoal house.....	5 story brick..
" 22.....	6.35 p.m.	95	Market and Mason.....	Boarding and store.....	4 story frame.
" 23.....	10.40 a.m.	16	332 Pacific street.....	Dwelling.....	1 story frame.
" 23.....	4.45 p.m.	16	905 Pacific street.....	Dwelling.....	2 story frame.
" 24.....	4.23 "	62	Minna and Fourth.....	Lodging house.....	3 story frame.
" 25.....	11.28 "	19	111 Oregon street.....	Lodging house.....	3 story frame.
" 26.....	3.38 "	129	1504 Leavenworth street.....	Dwelling.....	2 story frame.
" 28.....	1.20 a.m.	142	2401 Mission street.....	Butcher shop.....	2 story frame.
" 30.....	3.57 "	54	215 Second street.....	Dwelling and bakery.....	2 story frame.
" 30.....	3.57 "	54	217 Second street.....	Dwelling and grocery.....	3 story frame.
" 30.....	3.57 "	54	94 Tehama street.....	Dwelling.....	1 story frame.
" 30.....	6.02 p.m.	52	135 Fremont street.....	Iron foundry.....	3 story frame.
June 1.....	11.04 "	148	49 Hoff avenue.....	Unoccupied.....	2 story frame.
" 3.....	8.04 "	Still.	223 Main street.....	Stoveworks.....	2 story frame.
" 4.....	1.55 "	75	McAllister and Jones.....	Saloon.....	1 story frame.
" 4.....	1.55 "	75	Jones street.....	Office.....	1 story frame.
" 4.....	10.05 "	176	1218 Geary street.....	Dwelling.....	1 story frame.
" 4.....	10.05 "	176	1220 Geary street.....	Dwelling.....	2 story frame.
" 8.....	3.39 "	61	720 Howard street.....	Dwelling.....	2 story frame.

## STATEMENT OF FIRES AND ALARMS.

53

FOR THE YEAR ENDING JUNE 30, 1882—CONTINUED.

CAUSE.	OWNER OR OCCUPANT.	LOSS.	INSUR- ANCE.	PAID.
Explosion of coal oil lamp.....	L. A. Moray.....	\$60 00	\$3,400 00	\$60 00
Incendiary.....	Savings Union.....	130 00	.....	.....
Sparks from smoke-stack.....	J. Center.....	10 00	.....	.....
Defective smoke-room.....	S. Keyston.....	4,000 00	2,400 00	2,400 00
Defective smoke-room.....	S. Keyston.....	65 00	1,800 00	65 00
Second alarm.....	.....	.....	.....	.....
Carelessness with candle.....	A. Borel.....	8 00	2,000 00	8 00
Explosion of coal oil stove.....	J. F. Swift.....	110 00	2,000 00	85 00
Sparks from smoke-stack.....	Thompson Bros.....	50 00	.....	.....
Defective chimney.....	M. A. Blackston.....	1,400 00	.....	.....
Carelessness with matches.....	J. O'Neill.....	300 00	.....	.....
Explosion of coal oil lamp.....	Estate of M. Reese.....	1,250 00	500 00	350 00
Unknown.....	Elliott & McCormick.....	47 50	7,500 00	47 56
Unknown.....	W. J. Sommers.....	2,077 50	4,000 00	1,677 50
Unknown.....	W. J. Sommers.....	550 00	4,250 00	400 00
Incendiary.....	M. Kelly.....	920 00	1,200 00	920 00
Incendiary.....	S. Wagner.....	30 00	400 00	30 00
Incendiary.....	S. Wagner.....	2,400 00	2,000 00	1,300 00
Chimney.....	Unknown.....	750 00	.....	.....
Drunkness.....	A. C. Diggins.....	150 00	.....	.....
Drunkness.....	A. C. Diggins.....	26 25	200 00	26 25
Spontaneous combustion.....	H. S. Wort.....	61 00	2,650 00	61 00
Explosion of coal oil lamp.....	G. Cavenaught.....	360 00	3,500 00	360 00
Carelessness with candle.....	F. McMurray.....	185 00	4,000 00	35 00
Incendiary.....	I. Woods.....	27 75	1,200 00	22 75
Unknown.....	A. Robrecht.....	165 00	4,000 00	165 00
Drunkness.....	H. Derdeky.....	42 50	3,000 00	42 50
Defective furnace.....	G. Swan.....	25 00	.....	.....
Fireworks.....	G. Rosenbaum.....	60 00	.....	.....
Explosion of coal oil lamp.....	J. E. Richards.....	25 00	.....	.....
Upsetting of coal oil lamp.....	J. Para.....	25 00	.....	.....
Ashes.....	J. Winterburn.....	15 00	5,833 33 1/3	15 00
Carelessness with matches.....	W. Hall.....	875 00	18,000 00	875 00
Sparks from chimney.....	R. J. Tobin.....	90 00	1,666 66 2/3	40 00
Chimney.....	Unknown.....	.....	.....	.....
Carelessness with pipe.....	M. McMurray.....	10 00	.....	.....
Defective stove.....	Lick Trust.....	625 00	15,000 00	575 00
Ashes.....	Stone & Hayden.....	50 00	.....	.....
Unknown.....	S. Rosenfeldt.....	60 00	2,300 00	60 00
Unknown.....	H. G. Fisk.....	1,275 00	11,200 00	1,250 00
Unknown.....	Jesuit Fathers.....	260 00	1,000 00	60 00
Defective range.....	Dr. Li Po Tai.....	432 50	36,000 00	282 50
Chimney.....	Unknown.....	.....	.....	.....
Defective range.....	G. Robbins.....	1,408 00	13,000 00	1,398 00
Sparks from chimney.....	E. H. Conley.....	10 00	2,500 00	.....
Incendiary.....	J. L. Mundwyler.....	74 00	4,000 00	64 00
Sparks from chimney.....	Fulda Bro.....	532 00	12,500 00	522 00
Spontaneous combustion.....	American Sugar Co.....	1,628 75	80,000 00	1,628 75
Spontaneous combustion.....	American Sugar Co.....	11,635 00	43,500 00	10,238 00
Explosion of coal oil lamp.....	W. E. Dean.....	11,714 35	57,500 00	11,214 35
Children with matches.....	A. Merrill.....	63 00	2,300 00	63 00
Chimney.....	T. McCarthy.....	.....	.....	.....
Carelessness with matches.....	M. McQuade.....	6,685 00	7,000 00	66 35
Explosion of coal oil lamp.....	J. Hogan.....	300 00	1,000 00	275 00
Defective chimney.....	T. Manning.....	119 00	2,000 00	119 00
Defective stove-pipe.....	M. Fay.....	700 00	1,300 00	700 00
Boiling over of fat.....	E. McMillan.....	2,150 00	3,000 00	1,244 00
Boiling over of fat.....	R. McMillan.....	630 00	3,500 00	370 00
Boiling over of fat.....	R. McMillan.....	50 00	700 00	50 00
Sparks from smoke-stack.....	Savage & Son.....	50 00	18,550 00	.....
Fireworks.....	T. Shillebar.....	10 00	500 00	.....
Sparks from chimney.....	Pacific Stove Co.....	25 00	600 00	25 00
Ashes.....	F. S. Wensinger.....	50 00	500 00	.....
Ashes.....	F. S. Wensinger.....	25 00	.....	.....
Explosion of coal oil lamp.....	M. Cellar.....	2,874 22	3,750 00	2,674 22
Explosion of coal oil lamp.....	W. H. Hyman.....	40 00	4,000 00	40 00
Chimney.....	J. Hugg.....	.....	.....	.....



## STATEMENT OF DETAILS OF FIRES AND ALARMS

DATE.	TIME.	BOX.	LOCATION.	HOW OCCUPIED.	SCYLES,
June 9....	2.45 a.m.	281	Eleventh avenue and P st.	Silk factory.....	2 story frame.
" 9....	2.45 "	281	Eleventh avenue and P st.	Dwelling.....	2 story frame.
" 9....	2.45 "	281	Eleventh avenue and P st.	Dwelling.....	1 story frame.
" 9....	2.45 "	281	Eleventh avenue and P st.	Dwelling.....	1 story frame.
" 9....	2.45 "	281	Eleventh avenue and P st.	Dwelling.....	1 story frame.
" 9....	2.45 "	281	Tenth avenue.....	Dwelling.....	1 story frame.
" 9....	2.45 "	281	Tenth avenue.....	Dwelling.....	1 story frame.
" 9....	2.45 "	281	Tenth avenue.....	Dwelling.....	1 story frame.
" 9....	3.80 p.m.	Still.	1118 Howard street.....	Dwelling.....	3 story frame.
" 10....	2.30 "	"	Hayes street.....	Hay.....	Hay.....
" 11....	6.09 "	62	815 Mission street.....	Dwelling.....	2 story frame.
" 13....	10.30 "	Still.	Stevenson and Ecker.....	Chinese cigar box factory.....	4 story brick..
" 14....	5.15 "	154	Geneva street.....	Unoccupied.....	2 story frame.
" 15....	4.17 a.m.	51	121 Beale street.....	Wagon maker.....	1 story frame.
" 15....	12.26 p.m.	15	42 and 44 Clay street.....	Hay barn.....	1 story frame.
" 15....	12.26 "	15	Merchant street.....	Junk yard.....	Junk.....
" 18....	5.11 "	Still.	131 Morton street.....	Unoccupied.....	2 story frame.
" 18....	7.00 "	"	1508 Post street.....	Dwelling.....	2 story frame.
" 20....	1.50 a.m.	"	Ocean House road.....	Hotel.....	2 story frame.
" 21....	3.00 p.m.	"	1033 Howard street.....	Dwelling and restaurant.....	2 story frame.
" 22....	2.03 "	25	707 Dupont street.....	Chinese butcher shop.....	3 story brick..
" 22....	5.59 "	73	212 Eighth street.....	Dwelling and grocery.....	2 story frame.
" 24....	12.28 a.m.	91	323 Turk street.....	Public house.....	2 story frame.
" 24....	1.28 p.m.	31	Halleck and Sansome.....	Hotel.....	4 story brick..
" 25....	1.05 a.m.	25	1017 Dupont street.....	Chinese store.....	2 story frame.
" 25....	2.06 "	142	105 Columbia street.....	Dwelling.....	1 story frame.
" 25....	11.07 "	72	Mission and Thirteenth.....	.....	.....
" 25....	11.12 "	154	18 Boardman place.....	Dwelling.....	2 story frame.
" 25....	1.21 p.m.	36	East street.....	Hay.....	Hay.....
" 25....	5.28 "	Still.	Harbor.....	Vessel.....	Vessel.....
" 26....	1.46 "	351	Broadway and Montgomery.....	.....	.....
" 27....	1.08 a.m.	85	518 Octavia street.....	Unoccupied.....	2 story frame.
" 27....	2.06 "	34	Stenart street.....	Stable.....	2 story frame.
" 27....	2.06 "	34	Stenart street.....	Lumber.....	Lumber.....
" 27....	6.00 p.m.	Still.	211 Ritch street.....	Dwelling.....	2 story frame.
" 29....	7.00 a.m.	"	110 Pacific street.....	Boarding house.....	2 story frame.
" 29....	1.55 p.m.	87	220 Haight street.....	Dwelling.....	2 story frame.
" 30....	9.42 "	52	17 and 19 Fremont street.....	Saw manufactory.....	3 story brick..
" 30....	9.42 "	52	16 to 20 Beale street.....	Wagon material.....	3 story brick..

## STATEMENT OF FIRES AND ALARMS.

55

FOR THE YEAR ENDING JUNE 30, 1882—CONCLUDED.

CAUSE.	OWNER OR OCCUPANT,	LOSS.	INSUR- ANCE.	PAID.
Supposed sparks from chimney.....	Cal'a. Silk Manuf. Co....	\$60,777 46	\$47,000 00	\$47,000 00
Supposed sparks from chimney.....	J. O'Neil.....	927 50	800 00	727 50
Supposed sparks from chimney.....	W. Halloran.....	969 15	1,200 00	769 15
Supposed sparks from chimney.....	P. W. Lahaney.....	25 00	1,000 00	25 00
Supposed sparks from chimney.....	M. Burns.....	35 00	600 00	35 00
Supposed sparks from chimney.....	W. Halloran.....	1,456 50	1,500 00	1,256 50
Supposed sparks from chimney.....	O. Crummy.....	1,433 00	1,000 00	1,000 00
Supposed sparks from chimney.....	H. Sweaney.....	30 00	1,200 00	30 00
Defective chimney.....	J. C. Haverling.....	25 00	4,000 00	25 00
Carelessness with cigar.....	O. McQuade.....	10 00	.....	.....
Children with matches.....	D. F. M. Bayerque.....	15 00	1,000 00	.....
Supposed carelessness with matches.	Pacific Power Co.....	5 00	10,250 00	.....
Children with matches.....	L. Tevis.....	10 00	.....	.....
Carelessness with fire.....	J. W. Farran.....	50 00	.....	.....
Sparks from chimney.....	R. McMillan.....	25 00	1,800 00	15 00
Sparks from chimney.....	J. Molloy.....	25 00	.....	.....
Sparks from chimney.....	Unknown.....	10 00	.....	.....
Children with matches.....	— Vining.....	15 00	3,250 00	15 00
Supposed carelessness with matches.	Hibernia Bank.....	7,000 00	.....	.....
Sparks from chimney.....	R. O'Neil.....	106 00	5,300 00	106 00
Carelessness with candle.....	W. J. Lowray.....	10 00	.....	.....
Drunkenness.....	Hibernia Bank.....	705 00	1,000 00	530 00
Gaslight.....	Turn Verein Society.....	400 00	20,500 00	400 00
Chimney.....	W. Bryant.....	.....	.....	.....
Sparks from chimney.....	J. Sullivan.....	5 00	.....	.....
Carelessness with candle.....	J. W. Harborne.....	561 75	3,500 00	561 75
False.....	.....	.....	.....	.....
Fireworks.....	M. Sands.....	380 00	2,000 00	250 00
Carelessness with pipe.....	McKenna & Gerany.....	100 00	500 00	.....
Supposed sparks from fire.....	Pope & Talbot.....	27,000 00	.....	.....
False.....	.....	.....	.....	.....
Unknown.....	John Shannon.....	675 00	2,500 00	675 00
Sparks from chimney.....	R. K. Patridge.....	50 00	.....	.....
Sparks from chimney.....	Ackerson & Moore.....	50 00	13,500 00	50 00
Carelessness with candle.....	J. Van Bergen.....	10 00	500 00	10 00
Carelessness with matches.....	G. W. Clark.....	25 00	1,000 00	25 00
Children with matches.....	G. W. Lawlor.....	230 00	3,166 66½	230 00
Defective oven.....	Pacific Saw Co.....	2,379 10	26,750 00	2,379 10
Defective oven.....	M. C. Hawley.....	150 00	96,000 00	150 00

# REPORT

OF THE

## SUPERINTENDENT

OF THE

### FIRE ALARM AND POLICE TELEGRAPH.

---

OFFICE OF THE FIRE ALARM AND POLICE TELEGRAPH, }  
 San Francisco, July 1, 1882. }

*To the Honorable the Board of Supervisors  
 of the City and County of San Francisco:*

GENTLEMEN—In compliance with Resolution No. 15,758 (New Series), I have the honor herewith to submit this the Seventeenth Annual Report of the Fire Alarm and Police Telegraph Department for the fiscal year ending June 30th, 1882.

The Signal Boxes in use consist of—

Automatic Boxes.....	92
Crank Boxes.....	74
Total.....	166

Located throughout the city as follows:



## SIGNAL BOXES.

## Box.

- 2—S. W. corner Mason and Lombard.
- 3—S. E. corner Stockton and Greenwich.
- 4—N. W. corner Sansome and Greenwich.
- 5—N. E. corner Battery and Union.
- 6—S. E. corner Montgomery and Green.
- 7—S. E. corner Kearny and Union.
- 8—S. W. corner Powell and Union.
- 9—N. E. corner Dupont and Vallejo.
- 12—S. W. corner California and Kearny.
- 13—S. W. corner Front and Broadway.
- 14—S. W. corner Stockton and Broadway.
- 15—S. W. corner Clay and East.
- 16—N. W. corner Mason and Pacific.
- 17—N. E. corner Pacific and Kearny.
- 18—N. E. corner Sansome and Jackson.
- 19—N. E. corner Davis and Washington.
- 21—S. E. corner Clay and Kearny.
- 23—S. E. corner Clay and Taylor.
- 24—S. E. corner Clay and Powell.
- 25—N. W. corner Washington and Dupont.
- 26—S. E. corner Clay and Battery.
- 27—N. W. corner Montg'ry and Commer'l.
- 28—S. W. corner Pine and Dupont.
- 29—N. W. corner Stockton and California.
- 31—N. W. corner Sansome and Halleck.
- 32—N. E. corner California and Drumm.
- 34—S. W. corner Mission and Steuart.
- 35—S. E. corner Montgomery and Pine.
- 36—N. W. corner Folsom and Steuart.
- 37—N. E. corner Battery and Bush.
- 38—S. W. corner Market and Second.
- 39—S. E. corner Howard and Spear.
- 41—N. W. corner Sutter and Jones.
- 42—S. E. corner Geary and Mason.
- 43—O'Farrell near Dupont.
- 45—S. E. corner O'Farrell and Jones.
- 46—N. W. corner Sutter and Kearny.
- 47—S. W. corner Eddy and Powell.
- 48—S. W. corner Geary and Kearny.
- 49—N. W. corner Stockton and Sutter.
- 51—N. W. corner Folsom and Beale.
- 52—S. W. corner Mission and Fremont.
- 53—King, east of Third.
- 54—Engine No. 4, Second near Howard.
- 56—South side Bryant, west of First.
- 57—N. W. corner Brannan and Second.
- 58—N. W. corner Folsom and First.
- 59—P. M. S. S. Co.'s wharf, foot of First.
- 61—S. W. corner Howard and Third.
- 62—S. W. corner Mission and Fourth.

## Box.

- 63—N. W. corner Harrison and Fourth.
- 64—S. W. corner Howard and Fifth.
- 65—S. W. corner Mission and Sixth.
- 67—N. E. corner Harrison and Hawthorne.
- 68—N. E. corner Brannan and Fourth.
- 69—N. W. corner Bryant and Third.
- 71—S. W. corner Mission and Eleventh.
- 72—S. E. corner Mission and Thirteenth.
- 73—S. E. corner Howard and Eighth.
- 74—Engine No. 7, Sixteenth street.
- 75—N. W. corner Jones and McAllister.
- 76—S. W. corner Market and Hayes.
- 78—N. E. corner Folsom and Ninth.
- 79—N. W. corner Folsom and Twelfth.
- 81—S. W. corner Franklin and Hayes.
- 82—N. E. corner Fulton and Gough.
- 83—N. E. corner Octavia and Oak.
- 84—Valencia and Market.
- 85—N. E. corner Laguna and Hayes.
- 86—S. W. corner Oak and Van Ness avenue.
- 87—S. E. corner Haight and Webster.
- 91—N. E. corner Hyde and Turk.
- 92—S. E. corner Franklin and Turk.
- 93—N. E. corner Jones and Turk.
- 94—S. E. corner Polk and Ellis.
- 95—N. W. cor. Taylor and Golden Gate av.
- 96—S. W. corner Ellis and Taylor.
- 123—S. W. corner Hyde and Union.
- 124—Woolen Mills, Black Point.
- 125—N. W. corner Filbert and Jones.
- 126—S. E. corner Hyde and Washington.
- 127—S. E. corner Broadway and Polk.
- 128—S. E. corner Clay and Leavenworth.
- 129—N. W. corner Pacific and Leavenworth.
- 132—S. W. corner Pine and Mason.
- 134—S. E. corner Bush and Hyde.
- 135—S. E. corner Bush and Polk.
- 136—N. E. corner Post and Van Ness avenue.
- 137—N. W. corner Post and Larkin.
- 138—S. W. corner California and Larkin.
- 139—S. E. corner O'Farrell and Hyde.
- 142—N. E. corner Valencia and Twentieth.
- 143—N. E. corner Mission and Twenty-sec'd.
- 145—N. W. corner Folsom and Twenty-sec'd.
- 146—S. W. corner Folsom and Sixteenth.
- 147—N. E. corner Howard and Twentieth.
- 148—N. E. corner Mission and Sixteenth.
- 149—S. W. corner Folsom and Eighteenth.
- 152—N. W. corner Brannan and Eighth.
- 153—N. W. corner Harrison and Seventh.

## SIGNAL BOXES—CONCLUDED.

## Box.

154—N. W. corner Bryant and Sixth.  
 156—N. E. corner Fourth and Berry.  
 157—N. W. corner Fourth and Folsom.  
 158—N. W. corner Folsom and Fifth.  
 159—N. W. corner Folsom and Sixth.  
 162—S. E. corner Pacific and Franklin.  
 163—S. E. corner Sacramento and Franklin.  
 164—S. E. corner Clay and Polk.  
 172—S. E. corner McAllister and Buchanan.  
 173—S. W. corner Ellis and Buchanan.  
 174—N. E. corner Turk and Fillmore.  
 175—N. E. corner Webster and Grove.  
 176—N. W. corner Post and Octavia.  
 178—N. W. corner Buchanan and Geary.  
 182—N. E. corner Sixth and Townsend.  
 183—S. E. corner Mission and Eighth.  
 192—N. E. corner California and Front.  
 193—S. W. corner Hyde and Chestnut.  
 194—N. W. corner Stockton and Francisco.  
 213—S. W. corner Bush and Buchanan.  
 214—S. E. corner Bush and Steiner.  
 215—S. W. corner Washington and Webster.  
 216—S. E. corner Sacramento and Fillmore.  
 217—S. E. corner Bush and Devisadero.  
 218—N. E. corner Post and Fillmore.  
 219—N. E. corner Filbert and Fillmore.  
 231—N. W. cor. Howard and Twenty-fourth.  
 234—N. W. cor. Harrison and Twen'y-fourth.  
 235—S. W. cor. Twenty-sec'd and Potrero av.  
 236—N. E. corner Mission and Twenty-sixth.

## Box.

237—S. W. cor. Dolores and Twenty-second.  
 238—Potrero avenue and Santa Clara.  
 239—N. W. corner Butte and Columbia.  
 241—S. E. corner Gough and Bush.  
 243—N. W. corner Clay and Scott.  
 245—S. W. corner Geary and Steiner.  
 246—S. E. corner Geary and Devisadero.  
 247—N. W. corner Turk and Scott.  
 248—N. E. corner Devisadero and Fulton.  
 251—N. E. corner Broadway and Octavia.  
 253—N. E. corner Union and Laguna.  
 254—N. E. corner Union and Pierce.  
 261—S. W. corner Stevenson and Ecker.  
 271—S. W. corner Seventeenth and Church.  
 273—Eighteenth east of Castro.  
 274—N.W.cor. Twenty-fourth and Guerrero  
 275—N.E.corner Twenty-fourth and Church.  
 281--San Bruno Road and Twenty-eighth.  
 283--N. W. cor. Twenty-eighth and Church  
 284--N. W. cor. Twenty-ninth and Mission  
 291--S. W. corner Jones and Vallejo.  
 312--N. E. corner Jackson and Laguna.  
 314—S. E. corner California and Laguna.  
 321--S. E. corner Pierce and California.  
 324--S.E. corner Sacramento and Broderick.  
 325--S. E. corner California and Cential av  
 326--S. E. corner Sutter and Baker.  
 341--S. W. corner Ellis and Pierce.  
 351--N. W. cor. Montgomery and Broadway.  
 361--S. E. corner Ridley and Guerrero.

## SOUTH SAN FRANCISCO BRANCH.

2—San Bruno Road and Twenty-eighth.  
 3—N. E. corner First avenue and Kentucky.  
 4—S. W. corner Fifteenth avenue and P.

5—East side Kentucky, bet. Sierra & Nevada.  
 6—S. W. corner Butte and Kentucky.  
 7—Fifth avenue and M.

Eighty-six Gongs and Tower Bells are operated in connection with this office, as follows :

Gongs (large) .....	41
Gongs (small) .....	37

## BELLS.

Of 4,500 pounds weight.....	1
Of 2,000   "   " .....	4
Of   800   "   " .....	1
Of   300   "   " .....	2
Total .....	86

The Battery consists of 295 jars, divided as follows :

Gravity.....	187
Electropon .....	105
Leclanche.....	3
Total.....	295

We are now operating one hundred and twenty-nine miles of wire, one hundred and twenty-one miles being on poles and the balance on houses, divided into twelve signal circuits, seven alarm circuits, and one tapper circuit.

During the past year the following extensions and improvements have been made:

One of the Mission signal circuits was extended, connection being made at Twenty-fourth and Mission, running on Twenty-fourth to Church, to Twenty-eighth, to Dolores, to Twenty-ninth, to Mission, to Twenty-sixth, where it was again connected.

This extension covers the section south of Twenty-fourth and west of the Mission Road, including Comerfordville, hitherto entirely unprotected, and on which three boxes were placed.

The lines were rebuilt between the following points: On Sixteenth, from Guerrero to Folsom; on Twenty-second, from Folsom to Howard, to Nineteenth, to Folsom; on Valencia, from Eighteenth to Twenty-second, to Mission; on Valencia from Market to Ridley, such poles as were fit being reset.

The lines on Valencia, from Ridley to Sixteenth, were transferred to Ridley, to Guerrero and Sixteenth. By this change several loops were taken out.

All lines were pulled up, slack taken out and corner poles guyed.

Box 157 was transferred from Folsom east of Fourth (on house) to forty-foot pole at Folsom and Fourth. One hundred twenty-five-foot poles and ten thirty-foot poles were used in repairs and extensions.

A line was run from the South Harbor Police Station to Engine No. 9, a push button and battery being placed at the Police Station and a vibrating gong at Engine No. 9, for the purpose of summoning Engine No. 9 to extinguish incipient fires on the hay dock, and thereby avoid calling out the entire Fire Department.

The roof of the office and the entire tower was repaired and painted, girders tightened and wedges driven where necessary.

Self-feeding reels were placed over the registers, being an improvement on the old reels, which were under the table and required the attention of the operator while receiving an alarm to reel off the paper by hand.

Several changes in the old repeater as reconstructed were necessary, and it is now ready for use in case of emergency.

Six automatic boxes were placed in circuit, two replacing crank boxes removed, the balance being new boxes, as follows: 275, 283, 284, and Box 7 at South San Francisco, located as per official list.

The local line at South San Francisco was extended from Railroad avenue on Seventh avenue to M street, to Fifth avenue, Box 7 being located at this point.

The employees of this Department are:

Superintendent.....	JOHN CURRAN
Operator.....	ALFRED CLARKE, JR.
Operator.....	EDWIN H. REESE
Operator.....	WILLIAM MORTON
Repairer.....	WILLIAM E. ACKERSON
Assistant Repairer.....	DANIEL SHAY
Assistant Repairer.....	ANTON CHRISTIANSEN

## EXPENDITURES.

Salaries of employees.....	88,100 00
Extensions and repairs.....	7,497 83
	<u>815,597 83</u>

During the year three hundred and one alarms were given through the Fire Alarm Telegraph, as follows:

Fires.....	262
General alarm.....	1
Second alarms.....	3
Duplicate alarms.....	2
False alarms.....	15
Chimneys.....	17
Bonfire.....	1
Total.....	<u>301</u>

This is the greatest number of alarms struck any year since the organization of the Department.

TABLE NO. 1.

SHOWING THE NUMBER OF ALARMS FOR EACH HOUR OF THE DAY DURING THE MONTH AND YEAR.

MONTH AND YEAR.	A. M.											Totals.	
	12	1	2	3	4	5	6	7	8	9	10		11
1881—July.....		3		1	1	1			2	2	2	2	14
August.....	1	1	2		3			1					8
September.....	3	1							1	1	1	2	8
October.....	1	1	1	1		3	1		1	2	1	2	14
November.....			2		1	4			1	2	3	2	15
December.....		1		2	1	1			3				8
1882—January.....	1	2		3	1	2	2	1		1		1	13
February.....	1	2		2	1	1		1		1			9
March.....	1	4		4					1	1	1		11
April.....	1	2			2			1				2	8
May.....		2			1			3			2		8
June.....	1	2	3		1							2	9
Totals.....	9	21	8	13	12	12	3	7	7	10	10	13	125

TABLE NO. 1—CONCLUDED.

SHOWING THE NUMBER OF ALARMS FOR EACH HOUR OF THE DAY DURING THE MONTH AND YEAR.

MONTH AND YEAR.	P. M.											Totals.	
	12	1	2	3	4	5	6	7	8	9	10		11
1881—July..	3	2	4	1	3	1	1	3	4	1	5	6	34
August	1	...	1	1	1	1	...	1	2	3	...	2	13
September	...	1	1	2	1	...	3	3	1	...	1	...	13
October	...	1	3	4	1	...	7	3	1	...	3	1	27
November	1	...	...	1	2	4	...	2	...	3	2	1	16
December	1	1	...	...	1	2	1	...	...	...	1	...	7
1882—January	1	...	1	...	1	1	...	...	...	...	...	1	5
February	1	1	...	...	...	2	...	3	...	2	...	...	9
March	1	...	...	...	...	1	...	2	1	1	1	...	7
April	1	...	...	2	1	...	...	2	2	1	2	1	12
May	...	1	1	2	5	...	3	1	2	1	2	1	19
June	1	5	1	1	...	2	1	...	...	1	1	1	14
Totals	11	12	12	14	16	21	12	20	13	13	18	14	176

TABLE No. 2.

SHOWING THE NUMBER OF ALARMS EACH DAY OF THE WEEK AND MONTH DURING THE YEAR.

DAY OF WEEK.	1881.						1882.						Totals.....
	July.....	August ..	September.	October....	November.	December..	January....	February...	March.....	April.....	May.....	June.....	
Sunday	12	1	2	6	4	2	4	4	3	3	4	8	51
Monday	13	6	4	4	7	2	4	2	1	4	4	1	48
Tuesday	7	3	4	5	3	1	1	1	6	1	8	2	42
Wednesday	4	3	5	3	6	2	2	4	2	2	2	1	34
Thursday	5	3	6	10	10	3	2	4	2	7	4	7	63
Friday	2	2	3	5	1	4	3	1	2	3	3	2	30
Saturday	5	3	1	8	1	3	2	2	2	2	2	2	33
Totals	48	21	21	41	31	15	18	18	18	20	27	23	301

TABLE No. 3.

SHOWING THE NUMBER OF ALARMS FROM EACH BOX DURING THE YEAR.

BOX . . . .	ALARMS.	BOX . . . .	ALARMS.	BOX . . . .	ALARMS.	BOX . . . .	ALARMS.	BOX . . . .	ALARMS.
2	.....	41	1	81	1	148	2	235	.....
3	1	42	4	82	.....	149	1	236	6
4	1	43	2	83	.....	152	1	237	1
5	2	45	.....	84	2	153	5	238	3
6	.....	46	3	85	3	154	4	241	1
7	1	47	8	86	1	156	3	243	.....
8	2	48	9	87	2	157	2	245	.....
9	4	49	3	91	3	158	1	246	.....
12	1	51	2	92	2	159	2	247	.....
13	3	52	5	93	.....	162	.....	248	.....
14	1	53	.....	94	1	163	1	251	1
15	2	54	1	95	6	164	.....	253	.....
16	5	56	1	96	1	172	.....	254	.....
17	4	57	1	123	1	173	3	261	1
18	.....	58	5	124	.....	174	.....	271	.....
19	7	59	.....	125	1	175	1	273	1
21	2	61	5	126	.....	176	1	274	1
23	.....	62	6	127	1	178	2	275	.....
24	2	63	2	128	2	182	2	281	5
25	16	64	1	129	1	183	.....	283	2
26	7	65	3	132	.....	192	.....	284	.....
27	2	67	2	134	2	193	.....	291	1
28	1	68	4	135	.....	194	3	312	.....
29	2	69	1	136	.....	213	1	314	.....
31	4	71	5	137	1	214	.....	321	.....
32	3	72	2	138	.....	215	.....	324	.....
34	6	73	2	139	3	216	1	325	.....
35	1	74	4	142	7	217	2	326	2
36	7	75	2	143	.....	218	.....	341	.....
37	1	76	.....	145	.....	219	.....	351	3
38	2	78	3	146	5	231	1	361	1
39	8	79	1	147	.....	234	1		

## REMARKS.

The beneficial effects of the transfer of the wires from houses to poles last summer was very apparent during the winter, interruptions from crosses and grounds being the exception instead of the rule as heretofore, and when trouble from the above causes has occurred during the night, I have in a majority of cases been able to locate and remove it immediately, which was never the case while the lines were on houses, having invariably to wait until daylight. No extra labor was employed during the past year, in order to keep the running expenses within the reduced appropriation.

As I have repeatedly stated in my reports, the Department is deficient in automatic boxes, a defect that in my opinion should be remedied either by a special appropriation or a sufficient yearly allowance to admit of the change from the crank to the automatic being made at an early date.

The Fire Alarm Telegraph is acknowledged to be the right arm of the Fire

Department in all cities. This being the case, it should be so liberally provided for as to admit of all the latest improvements now in vogue in Eastern cities being introduced into the Department. As I have stated time and again, the crank box is not a reliable method of transmitting alarms.

In conclusion, I wish to tender my thanks to his Honor the Mayor, the Board of Supervisors' Fire Department Committee, the Board of Fire Commissioners, Chief Engineer Scannell and his Assistants, Chief of Police Crowley, the Board of Underwriters, and Captain Russell White of the Fire Patrol, for their kindness and courtesy to this Department, and I also take pleasure in returning my thanks to the employees of this Department for their cheerful co-operation and valuable assistance in promoting the efficiency and reliability of the service.

All of which is respectfully submitted.

JOHN CURRAN,  
Superintendent Fire Alarm and Police Telegraph.



















